

Ordinary Members' Meeting 2024



Patentkrug hotel, Oldenburg
Wednesday, 07th February 2024



Technical information to the event



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Technical information to the event

Invitation – Documents

- The invitation to today's meeting was sent to you in due time via Member Info 18/2023 on 14 December 2023.
- You received the table template digitally via the participation information 01/24 (QR code card).

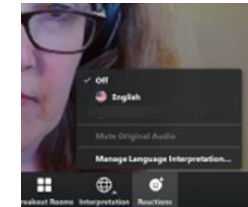
Presentation

- All important points of the meeting will be accompanied by two PPT presentations, one in German and one in English.
- The presentation will be transmitted by the technology on the screens 1 and 2.
- The respective speaker is shown in the meantime via beamer.

Technical information to the event

Language regulation

- The members' meeting will traditionally be held in German or English, depending on the speeches.
- Participants with on-site presence can use the usual technology for simultaneous translation as before (wireless receiver, headphones, etc.).
- Participants in the Zoom conference have the option of selecting the interpreter function in the lower menu bar. Please select the appropriate language. Our technical department will take care of the coordination.
- Note: The **interpreter function** only works when **using the Zoom app**.



Technical information to the event

Voting

- When voting, e.g. on the adoption of the agenda, if there are any requests for changes, please indicate this by a show of hands.
If there are no requests for changes, the agenda/minutes etc. are deemed to have been adopted.
- **Voting in the hall is done by raising the voting card.**
- **Voting by zoom is possible.**

Technical information to the event

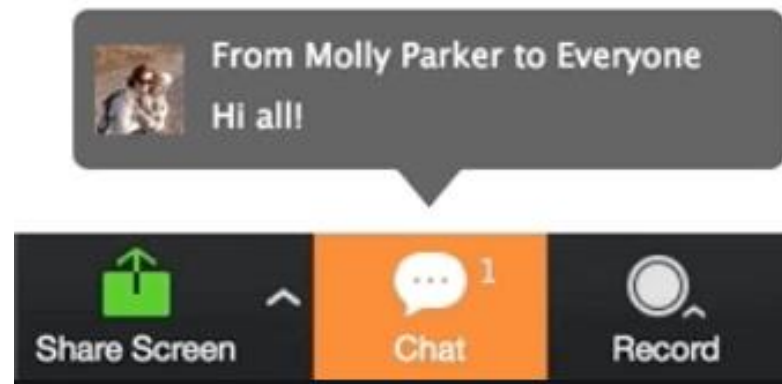
Contributions to discussions

- Contributions to discussions are always welcome! The respective speaker will invite discussion at the end of his/her presentation.
- The discussion will be dealt with in the order in which they are received. Please **state your name and company affiliation when asking questions.**
- Questions may be asked in either German or English.
- There will be a microphone for every two seats in the conference room that can be used for discussion contributions. Please report by show of hands.
- Members of the Zoom conference who wish to contribute to the discussion may do so by a show of hands.

Technical information to the event

Technical questions during the Members' Meeting

- The technique can be reached at any time via the chat function directly in the Zoom meeting.



**1. Welcome, Determination of the quorum,
Approval of the agenda and
minutes of 2023 Members' Meeting**

Quorum of the meeting



Agenda

- 1 Welcome, determination of the quorum, approval of the agenda and minutes of 2023 Members' Meeting**

- 2 Report of the board**
 - 2.1 President's Report

 - 2.2 Reports of the departments (current DCA projects)
 - 2.2.1 Task Group 3 – Technical Guidelines
 - 2.2.2 Task Group 4 – Data Acquisition and Logging
 - 2.2.3 Task Group 5 – Subsoil (DCA/GSTT)
 - 2.2.4 Training and further education

Agenda

2.2.5 Task Group GW 340 (DVGW, Germany)

2.2.6 Sponsorship program

2.2.7 Task Group BGL 2025 (Germany)

2.3 Report of the DCA-Representatives
(Italy, Spain, UK, France, Scandinavia)

2.4 Treasurers' Report

2.5 Report of the financial auditors

3 Exoneration of the board

Agenda

- 4 Women empowering HDD**
- 5 Review Podiumdiscussion ... what's next? - "Strengthening the HDD industry"!**
- 6 Business year 2024**
 - 6.1 Task and Goals 2024/25
 - 6.2 30th Anniversary 2024
 - 6.3 Budget 2024
- 7 Election of the financial auditors 2024**
- 8 Miscellaneous**

Minutes of the Members' Meeting 2023





Minutes of the Members' Meeting of the Drilling Contractors Association (DCA-Europe) on 29th March 2023 in Oldenburg



Minutes of the Members' meeting of the DCA on 29th March 2023 in Oldenburg Hybrid event

Location: Oldenburg, Hotel Patentkrug
Time: 29th March 2023, 03.00 – 06.00 pm

Present: see list of participants

TOP 1 Welcome, determination of the quorum, approval of the agenda and minutes of 2022 Members' Meeting

The Executive Secretary of the DCA, Mr. Quante, opens the members' meeting and welcomes the board and the members in the meeting room and on the screens. First some technical information about the hybrid event is given. Mr. Quante notes that the meeting was convened in accordance with the statutes with the invitation by mail dated 28.02.2023 and that there is a quorum with 52 out of 155 member companies (97 participants). The agenda for today's meeting is presented below. There are no proposals for changes. The agenda is approved unanimously. Subsequently, the minutes of the members' meeting 2022 are presented and also unanimously approved without amendments.

TOP 2 Report of the board TOP 2.1 President's Report

President Stoelinga (LMR Drilling GmbH) welcomes the participants of today's meeting, in particular the companies admitted since the last members' meeting in 2022, and presents the honours for long-standing membership.

The following companies are honoured for 25 years of membership:

- Open Grid Europe GmbH
- Dr. Donié Geo-Consult

The following company is honoured for 20 years of membership:

- Step Oiltools GmbH

Mr Stoelinga also congratulated the Beermann Group on its 75th anniversary. The DCA took part in the anniversary event in Riesenbeck at the invitation of the Beermann company. Beermann Bohrtechnik GmbH, part of the Beermann Group, has been a member of the association since 1 July 2000. Ewald Beermann was also active on the board of the DCA for several years in the 2000s.

Mr Stoelinga also reported that in the 2022 business year, a total of 9 regular and 12 associate members, i.e. a total of 21 companies, joined the DCA:

Regular members:

- EBC Glasfasertechnik GmbH, Germany
- EHB Horizontalbohrtechnik GmbH, Germany
- Epping Rohrvortrieb GmbH + Co. KG, Germany

Minutes of the DCA-Members' Meeting on 29th March 2023 in Oldenburg, Hotel Patentkrug

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- FESTA SPA, Italy
- Max Bögl Stiftung & Co. KG, Germany
- O'Connor Utilities Ltd., UK
- Pfaffinger-Beermann PB Drill & Energietechnik GmbH, Germany
- SUBTERRA SAS, France
- TELXA GmbH, Germany

Associate Mitglieder:

- Amprion GmbH, Germany
- Atanaslu & Skills, Romania
- Blitzconsult, Germany
- Bofram Techniek BV, The Netherlands
- Drilling Fluids Solutions Germany GmbH
- GHS Separationstechnik GmbH, Germany
- Hypertunnel Ltd., UK
- NOV (National Oilwell Varco), UK
- Orsted, UK
- Parker Wellbore, UK
- Trammann & Sohn GmbH & Co. KG, Germany
- Vector Magnetics LLC, US

In turn the associate members Normag, Deme Offshore NL BV, Reduct Pipeline Mapping Systems, GWG Grevenbroich and the long-time member GP Gerd Paulisch resigned for various reasons. Gerd Paulisch passed away shortly before the annual congress in Stratford-upon Avon after a short serious illness. He had been an associate member of the Association with various companies since 01.12.1999. The regular member Meischen Leitungsbau GmbH was cancelled due to insolvency.

Currently 155 member companies are organised in the association (63 regular and 92 associate members). Of the 155 companies 96 are from Germany, 14 from the Netherlands, 11 from Great Britain, 7 from Poland and 6 each from France and the USA. The remaining 15 member companies are from a total of 10 other countries.

Furthermore, Mr Stoelinga explains that in the past business year a total of nine board meetings took place, four of which were held in Aachen, one Cologne-Brühl and two in Oldenburg. In this context Mr Stoelinga thanks his colleagues on the board and the management together with the office for their work in the past business year. He then gives a brief overview of the activities carried out in the 2022 financial year. These include first and foremost:

- Conducting training courses according to GW 329 at the Bohrmeisterschule in Celle.
- DCA members' meeting on 26th January 2022 in Oldenburg
- Participation in the No-Dig Berlin (08th-09th March 2022)
- Participation in the 19th Ditch Witch Customer Day in Barcelona (08th April 2022)
- Organisation of the Member Forum Aachen (05th May 2022)
- Participation in the 20th Trenchless Engineering Conference (21st-23rd June 2022)
- Participation in the L-Team Baumaschinen Summer Event 2022 (23rd-26th June 2022)
- Holding the 26th DCA annual congress in Stratford-upon-Avon (05th-06th Oct. 2022)
- Realisation of the training event according to GW 329 in Kassel (09th Dec. 2022)
- Training in the Netherlands at Deltares

Due to Corona the Oldenburg Pipe Forum was cancelled in 2022.

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Looking back on the 26th DCA Annual Congress in Stratford-upon-Avon last October under the title "To drill or not to drill - that's the question", Mr Stoeltinga explains that it was held in the UK for the second time after 2012 and was very well attended with 146 participants. He thanked the sponsors of the congress. These were the member companies:

- Beermann Bohrtechnik GmbH (Gold)
- Michels Trenchless Europe GmbH & Co. KG (Gold)
- Ditch Witch (Gold)
- Vermeer (double Silversponsor)

The guest speaker was Heinz Leuters from Leuters Consulting, who spoke on the topic of "Don't P up the landing". This was followed by interesting presentations on the energy transition and on the topic of "Swarm Robotics" in civil engineering. The presentation by Renzo Chirulli, Vermeer and Thorsten Kaas, Max Streicher GmbH & Co. KG, who gave a very lively talk on the subject of Plug & Drill - The fully electric HDD Jobsite. Exciting HDD projects continued to be presented on Friday morning and comments were made on innovations on the market.

An essential part of this year's event were again two workshops on topics that have been occupying the HDD industry for a long time. Workshop 1, "The role of drilling mud in the borehole", focused on drilling mud as an essential factor in the HDD technique. The aim of the workshop was to improve knowledge and understanding of drilling mud and its importance for the success of an HDD well. In workshop 2 on the topic of "Accuracy in HDD drillings", this important quality feature was discussed intensively. Starting with the requirements placed on accuracy by different clients, the background that led to these requirements was examined in more detail. In this context Mr Stoeltinga pointed out that this topic would be discussed in more depth at the next members' forum in May this year.

The evaluation of the questionnaires regarding organisation, congress contents, simultaneous translation, length of the annual congress and congress documents were in the "good" to "very good" range. Overall, the exchange of experiences and the workshops were rated very positively. The topic of the 2nd workshop will be continued as described in the upcoming members' forum. The invitations to the event have already been sent out.

The evening event in the picturesque location "Ragley Hall" was also very well received. One point of criticism was the general "loudness" in the room during the evening event (caused by the band, among others). The board is considering how this can be organised differently at the next annual congresses. We would like to take this opportunity to thank all members who were involved in the preparation of the workshops or the lectures!

The next DCA Annual congress will take place in Leipzig, Germany from 04th to 06th October 2023. The congress hotel has already been booked and the preparations for the events and the programme are already underway.

The following are explanations of other events, such as participation in No Dig Berlin (GSTT), the 19th Ditch Witch Customer Day in Barcelona, the 20th Trenchless Engineering Conference in Krakow and the summer event of the company L-Team Baumaschinen. Mr Stoeltinga then referred to further activities of the DCA in 2022 (task groups, etc.), which will be explained in detail under item 2.2.

TOP 2.2 Reports of the departments (current DCA projects)

Current projects from 2022/2023 are summarised and explained below:



TOP 2.2.1 Task Group 3 - Technical Guidelines

Task group 3, which deals with the revision of the Technical Guidelines, is nearing completion. The draft of the 5th edition of the DCA Technical Guidelines (German version) should be finished by the middle of the year and submitted to the members for review.

TOP 2.2.2 Task Group 2 - Coating

Vice-President Marc Schnau (x-plan schnau engineering) then reported that the Technical Information No. 6 "Pipe casing and coating in HDD" has been completed in German and will be sent out with one of the next Member Infos. In the course of preparing the Technical Information, a risk assessment was also prepared in an Excel spreadsheet, which enables an individual project-related consideration. The new Technical Information No. 6 will be presented in a lecture at tomorrow's IRO.

TOP 2.2.3 Task Group 4 - Data Acquisition and Logging

In task group 4 Data Acquisition and Logging, chaired by board member Scott Stone (Michels Corp.), four stages of data collection were identified. The next steps are to engage with machine manufacturers and vendors, including how to store recorded data and review it in real time and after the fact.

TOP 2.2.4 Task Group 5 - Subsoil (DCA/GSTT)

New is task group 5 "Subsoil", which is chaired by Philipp Dick from Moll prd. The task group was set up together with the GSTT and will address various issues related to the ever-young topic of subsoil. Details will be determined at the first joint meeting at the beginning of April.

TOP 2.2.5 Training and further education

DCA Vice-President Marco Reinhard (Leonhard Weiss GmbH & Co. KG) informed about the training and further education courses in 2022 and emphasised the positive response to the many events held last year, such as the members' forum in Aachen, the courses at DCA member Tracto, the further education/training courses according to DVGW GW 329, the seminars on "Specialist for mud technology for HDD construction measures" or the courses at Deltares in Delft. The courses in Celle in January/ February 2023 were also well attended. The date for the next Oldenburg Pipeline Forum has already been set: it is 08th-09th February 2024.

TOP 2.2.6 Task Group GW 340 (DVGW, Germany)

Board member Jörg Himmerich (Dr.-Ing. Veenker Ingenieurgesellschaft mbH) also reported on the DCA's participation in the DVGW task group GW 340, which deals with the protection applied in addition to the corrosion protection coating as mechanical protection of steel pipes and fittings - the quality assurance of factory coatings. The yellow print for DIN 30340 - Part 1 is available, the white print is expected in the middle of the 2nd quarter 2023. A second and possibly a third part are to follow.

TOP 2.2.7 Sponsorship program TOP 2.2.7.1 General update

Mr Himmerich informed about the current DCA sponsorship programme. At this point he pointed out that the DCA has again launched a sponsorship programme in 2023 for graduates at European universities who are working on HDD technology. Companies that have



interesting projects or questions that could be dealt within the framework of the sponsorship programme are called upon to get in touch with the DCA.

TOP 2.2.7.2 Presentation J. Rotter (Noise emissions on HDD construction sites)

Afterwards Johannes Rotter presented the results of his bachelor thesis on the topic of "Noise emissions on HDD construction sites", which was funded within the framework of the DCA sponsorship programme. Among other things the thesis touched on and explained the topic of sound propagation, its influencing factors and possible measures to reduce noise emissions, also on the basis of an experiment at a recycling plant. During the test sound sources were localised and promising measures were taken, which included encapsulating the centrifugal pumps with screen printing plates using fixed sound insulation elements or special sound insulation mats. The emission level could thus be reduced by 15 - 20 dB in some cases.

Project coordinator Jörg Himmerich thanked Mr. Rotter for the very informative lecture and asked the members for interesting topics that could be dealt with by graduates in the course of the HDD technology sponsorship programme.

TOP 2.3 Report of the DCA-Representatives (Italy, Spain, UK, France, Scandinavia)

The DCA is now represented by five representatives in Italy, Spain, France, the UK and Scandinavia. The task of the representatives is to promote the goals of the association throughout Europe and to increase the level of awareness in the individual European countries. In addition, the focus is on contact with the member companies and the recruitment of new members.

Italy - Representative Renzo Chirulli, Vermeer

DCA representative Renzo Chirulli gave a short overview of the market development in the HDD sector in Italy. IATT's Italia No DIG Live will also take place from 24th-26th May 2023, with around 30 Italian HDD companies expected to attend, mainly from the small-scale drilling sector. Mr Chirulli will use the opportunity to promote the DCA.

Two Italian HDD drilling companies are now represented in the DCA: Anese SRL and, since mid-2022, Festa Spa. Mr. Chirulli further reported that there are three concrete requests from HDD drilling companies to become regular members of the DCA. He expects that the applications will be submitted at the beginning of next year. Mr Chirulli also explained that there are contacts with other interested companies, including EPC.

Iberian Peninsula - Representative Brian Jorgensen, Ditch Witch EMEA

DCA Representative Brian Jorgensen gave a brief update on the Iberian Peninsula area. There are no current developments on DCA membership at this time. On the other hand, the Spanish government approved the plan for the expansion of the electricity transmission network in March 2022. The plan provides for investments of around €7 billion. Of the total investment, almost €1.9 billion will go towards the integration of renewable energies. Almost €1.5 billion will be invested in submarine connections to areas not belonging to mainland Spain, while €1.26 billion will be dedicated to the construction of interconnections with France, Morocco, Portugal and Andorra.

The investment effort will lead to the construction of 2,700 kilometres of new lines, 700 kilometres of submarine interconnectors and the upgrading of 8,000 kilometres of existing networks.



The region has ambitious plans: With the National Integrated Energy and Climate Plan, Spain wants to generate 74% of its electricity from renewable energies by 2030. The Iberian Peninsula currently has more than 50 gigawatts (GW) of capacity installed, over 60% of which is from onshore wind - and it won't stop there.

With more than 300 days of sunshine a year, both Spain and Portugal are installing photovoltaic systems in rural areas, and the need to create additional electricity grids is imminent.

UK – Representative Scott Stone, Michels Corp.

DCA representative Scott Stone gave a brief update on the UK and market developments there. He also reports that four new companies joined the DCA in 2022. He will launch another membership recruitment campaign in 2023 with the DCA digital brochure. He goes on to say that the overall response from UK companies at the annual congress was satisfactory. A large number of members from the UK were also represented at the congress. In addition, three presentations were given by members from the UK. The participation of members from the UK in the Members' Forum could still be improved. Mr Stone will remain active here.

France - Representative François Gandard, OPTIMUM

Mr Gandard reports that the French HDD market has been very active in recent years, with projects large and small and this trend will continue in 2023.

Most of the drilling work in France is currently for cable laying in the power sector. RTE continues to expand its network and also connects numerous data centres and offshore wind farms to the grid. In addition, RTE is involved in a number of interconnection projects aimed at increasing the exchange capacity between France and neighbouring countries. On the utility side ENEDIS, the electricity supplier for residential and business customers, is also involved in HDD projects on its network. The gas sector is also very active, increasingly with hydrogen and decarbonisation projects. GRTgaz continues to develop and renew its network infrastructure throughout France, except in the south-west of the country, where Téréga is the supplier. Téréga is also renewing its network and using HDD in a growing number of projects. GRDF also has some projects using trenchless technology. Finally, as in other European countries the congested underground environment in French cities and suburban areas continues to require the laying of fibre optic cables.

After SUBTERRA joined last year, COQUART.EU is the latest French drilling company to join the DCA. COQUART is a drilling company based near Arras in northern France and currently operates nine HDD rigs. RTE has also confirmed its decision to join the DCA this year. Mr Gandard further reported that the DCA will work intensively with the FSTT on technical guidelines to prepare the French edition of the new technical guidelines. This will not only contribute to further harmonisation of standards in Europe, but also increase the attractiveness of DCA membership for French HDD companies.

Scandinavia - Representative Benny Jensen, Dantorit A/S

Benny Jensen, representative for Scandinavia, reports on the status of the HDD market in Scandinavia. He also reports on his activities regarding membership recruitment for the DCA in 2022. He presents numerous possible candidates for membership in the DCA. After the first visits of HDD companies took place at the end of 2022 and in February 2023, the euphoria was limited for the time being. There is some interest among the larger companies. They are interested in building a network. They would like to draw on existing knowledge, but would also like to contribute their own experience. Most of the smaller HDD companies have the impression that there is not much interest. Mr Jensen will report further.



Finally, Mr. Quante and Mr. Stoelinga thanked the representatives for their work for the association in the last year. The DCA had become much more European and altogether more diverse through their activities in the individual countries, which is in line with the basic objective.

TOP 2.4 Treasurers' Report

The profit and loss account 2022:

The profit and loss account for the 2022 business year presented by Mr Muhl (Step Oiltools) shows a small deficit of around € 6,600, which was primarily due to the significantly higher expenses for the annual congress in the UK. In addition, the trade fair costs, the costs for public relations and for the members' forum were slightly above the planned budget. In contrast income was significantly increased by around € 15 thousand compared to the planning, so that a large part of the additional expenditure could be covered.

Asstt overview 2022:

Taking into account the net loss for the year, the association's assets can be stated at around € 265 thousand. The outstanding receivables from members as of 31.12.2022 were around € 12,000. The cash balance as of the reporting date was around € 272,000. The balance continues to serve as a reserve in case of a decline in membership. In conclusion the cash position can be classified as very stable.

TOP 2.5 Report of the financial auditors

The cash auditors Ms Silke Goldschmidt, WBW GmbH, and Mr Dan Lingenauber, Tracto, report on the cash audit they conducted on 27th March 2023 at the Hotel Patentkrug in Oldenburg. Present were Mr. Finkeisen from the tax consultancy Wald & Finkeisen, Jürgen Muhl as treasurer and Dietmar Quante as executive secretary of the DCA. The cash auditors certify that Mr. Muhl has handled the funds of the DCA properly and thank him for his work. They point out that the costs of the money transfer (membership fees) are not to be borne by the association but by the members. Unfortunately, this is not the case with transfers from abroad, among others.

TOP 3 Exoneration of the board

On behalf of Mr. Lingenauber and the members of the DCA, Ms. Goldschmidt thanks the Board and the management for their successful work in the past business year and proposes that the Board be discharged. The motion was passed without any dissenting votes or abstentions.

TOP 4 Business year 2023 **TOP 4.1 Change of Statutes**

Mr. Quante presented the planned amendment to the DCA statutes in § 9 Members' meeting:

§ 9 The members' meeting

(2) The members' meeting should be held once a year.

New is:

The members' meeting may also be held using electronic communication (e.g. by phone or video conference) or in a mixed meeting with members attending both live and via video conference/other media/phone.



It is up to the board discretion whether the members' meeting shall be held as a live event, via electronic communication or as a mixed meeting with both members present and attending using video conference/other media/phone.

There were no proposals for amendments to the board's proposal.

After the end of the debate, a vote was taken on the proposed amendment to the statutes. The amendment was adopted without any dissenting votes and without abstentions.

TOP 4.2 Board Election

Mr Stoelinga explains in advance the procedure for finding potential candidates for the board positions to be filled. The various board positions are elected for a period of two years by the members' meeting in accordance with the statutes. The Board only has the right to propose candidates. The technical information on the election follows. All eight board positions are put to the vote. Mr. Quante takes over the elections and proposes an open election. This was unanimously accepted without any dissenting votes.

TOP 4.2.1 President

At the proposal of the DCA board, the previous president Jorn Stoelinga is standing for re-election. Mr Stoelinga has been a member of the DCA board since 2015 and was initially responsible for education and training in the Netherlands. Since 2017 he became the DCA Vice President and during this time he took over the leadership of the task group "Coaling Quality". He has been President of the DCA since 2019.

There are no opposing proposals for the election of the President. Mr Stoelinga is elected without abstention and without dissenting votes. He thanks for the trust and accepts the election.

TOP 4.2.2 Vice-President (Small Scale Drilling)

Mr. Reinhard stands for re-election as Vice-President for Small Scale Drilling. He introduces himself briefly. There are no counter-proposals. Mr. Reinhard is re-elected unanimously. He accepts the election.

TOP 4.2.3 Vice-President (Large Scale Drilling)

Mr. Khemiri stands for re-election as Vice-President for Large Scale Drilling. He introduces himself briefly. There are no counter-proposals. Mr. Khemiri is re-elected unanimously. He accepts the election.

TOP 4.2.4 Vice-President (Associate Members)

Mr Schnau stands for re-election as Vice-President for Associate Members. He briefly introduces himself. There are no counter-proposals. Mr Schnau is re-elected unanimously. He accepts the election.

TOP 4.2.5 Treasurer

Mr. Muhl stands for re-election as Treasurer. He briefly introduces himself. There are no counter-proposals. Mr Muhl is re-elected unanimously. He accepts the election.



TOP 4.2.6 Board Member

Mr Stone is standing for re-election. He briefly introduces himself. There are no counter-proposals. Mr Stone is re-elected unanimously. He accepts the election.

TOP 4.2.7 Board Member

Mr Himmerich is standing for re-election. He briefly introduces himself. There are no counter-proposals. Mr Himmerich is re-elected unanimously. He accepts the election.

TOP 4.2.8 Board Member

Mr Siebel is standing for re-election. He briefly introduces himself. There are no counter-proposals. Mr Siebel is re-elected unanimously. He accepts the election.

Entire board:

President:	Mr Stoelंगा
Vice-President (Small Scale Drilling):	Mr Reinhard
Vice-President (Large Scale Drilling):	Mr Khemiri
Vice-President (Associate members):	Mr Schnau
Treasurer:	Mr Muhl
Board member:	Mr Stone
Board member:	Mr Himmerich
Board member:	Mr Siebel

TOP 4.3 Resolution of the Members fees

Mr. Stoelंगा explains that the last increase in membership fees was 7 years ago and that the fees could be kept stable for a long time. Due to the general cost increases and the necessary adjustment in parts of the financial budget, the Board proposes a 10% increase in the fees. The following contribution rates will therefore apply retroactively from 01st January 2023:

HDD-drilling companies (regular members):

Group 1: Sum of the pulling forces	≤ 1.000 KN	1.150,00 €
Group 2: Sum of the pulling forces	> 1000 ≤ 2.500 KN	2.300,00 €
Group 3: Sum of the pulling forces	> 2.500 KN	3.450,00 €

Supplier, clients, consulting companies, personal members etc. (associate members):

Group 1: Number of employees	< 5	920,00 €
Group 2: Number of employees	5 ≤ 50	1.150,00 €
Group 3: Number of employees	> 50 ≤ 200	1.450,00 €
Group 4: Number of employees	> 200	1.730,00 €
Group 5: Personal members		100,00 €

The proposal was adopted with one abstention and one vote against.

TOP 4.4 Tasks and Goals 2023/24

Mr Stoelंगा announces that the previous objectives of the DCA will continue to be actively pursued in the future. With regard to the 2023/24 business year, Mr Stoelंगा explains the planned activities below:

- Completion of the Technical Guidelines (5th edition).
- Continuation of the current task groups

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- Participation in the Oldenburg Pipe Forum
- Holding of the 5th Members' Forum in Aachen
- Preparation and realisation of the annual congress in Leipzig
- Preparation and implementation of the advanced training in Kassel (DVGW)
- DCA in the social networks (LinkedIn...)
- Holding of a total of 7 board meetings
- Holding of the members' meeting 2024... and much more!

The courses at the Bohrmeisterschule Celle have already taken place from 09th January to 02nd February 2023 in January/February this year. A total of 70 participants were trained.

The DCA Member Forum 2023 (bilingual) on the topic of "Accuracies in HDD Drilling" will take place on 03rd May 2023 in Aachen at the Novotel. A joint dinner is planned for the evening before, to which the DCA cordially invites the forum participants! Registration has already started. The registration deadline is 20th April 2023.

The 27th DCA annual congress will take place in Leipzig in eastern Germany from 4th-6th October 2023. The congress theme and the programme are currently still being worked on. A three-tier sponsorship programme for the areas of "Communication", "Networking" and "Social Programme" (gold, silver and bronze sponsors) is running as part of the event. So far, the DCA has been able to attract six gold sponsors, five silver sponsors (one company sponsors twice) and one bronze sponsor. The aim of sponsoring is to ensure that smaller companies in particular can continue to send their staff to the annual congress. Here one must always keep an eye on the costs.

According to Mr. Stoelंगा there will again be interesting lectures on current HDD projects (small and large drilling technology) in Leipzig and, as at the last congresses, a special social programme. We are again looking for contributions from the membership for the annual congress. Please contact the office.

The next members' meeting is planned for 07th February 2024, one day before the Oldenburg Pipe Forum (08th-09th February 2024), again at the Hotel Palentkrug in Oldenburg.

TOP 4.5 Budget 2023

For the 2023 financial year income of around € 359 thousand and expenses of € 354 thousand are planned. The planned surplus amounts to approximately € 5 thousand. No proposals for changes or additions were made. Mr. Muhl then made a motion to approve the budget presented. The motion was accepted without abstention and without a dissenting vote.

TOP 5 Election of the financial auditors 2023

Mr. Quante thanks the auditors Ms. Goldschmidt, WBW GmbH and Mr. Lingenauber, Tracto for their work in the last two years. Due to the limited activity for two years, a new election is necessary.

Christoph Kreutz, brbv, stands for election as the first cash auditor. He is elected unanimously without any dissenting votes and without abstention. He accepts the election. Edgar Mrotzek, Bohlen & Doyen, stands for election as the second cash auditor. He was also elected without dissenting votes and without abstentions. He accepts the election and is thus the 2nd cash auditor. Ernst Fengler, LMR Drilling GmbH, stands for election as substitute cash auditor. He is elected without dissenting votes and without abstention. He accepts the election.

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TOP 6 Miscellaneous

Under Miscellaneous Mr Stoelंगा raises a problem with spam mails allegedly sent from his account. He states that neither he nor the DCA office sent these mails. After examination by Mr. Quante, these are harmless fake mails. He asked members to contact the office if they had any questions. The DCA office is located in the premises of SST Prof.-Dr. Ing. Stoll & Partner Ing. and the DCA server is hosted by SST.

Mr Stoelंगा and Mr Quante concluded by thanking the participants for attending today's event and closed the regular members' meeting of the DCA at 6.00 pm.

Aachen, September 14th 2023

Minutes:



Dietmar Quante
Executive Secretary



Jörn Stoelंगा
President

Minutes of the DCA-Members' Meeting on 29th March 2023 in Oldenburg, Hotel Palentkrug

12

2. Report of the Board

2.1 President's report



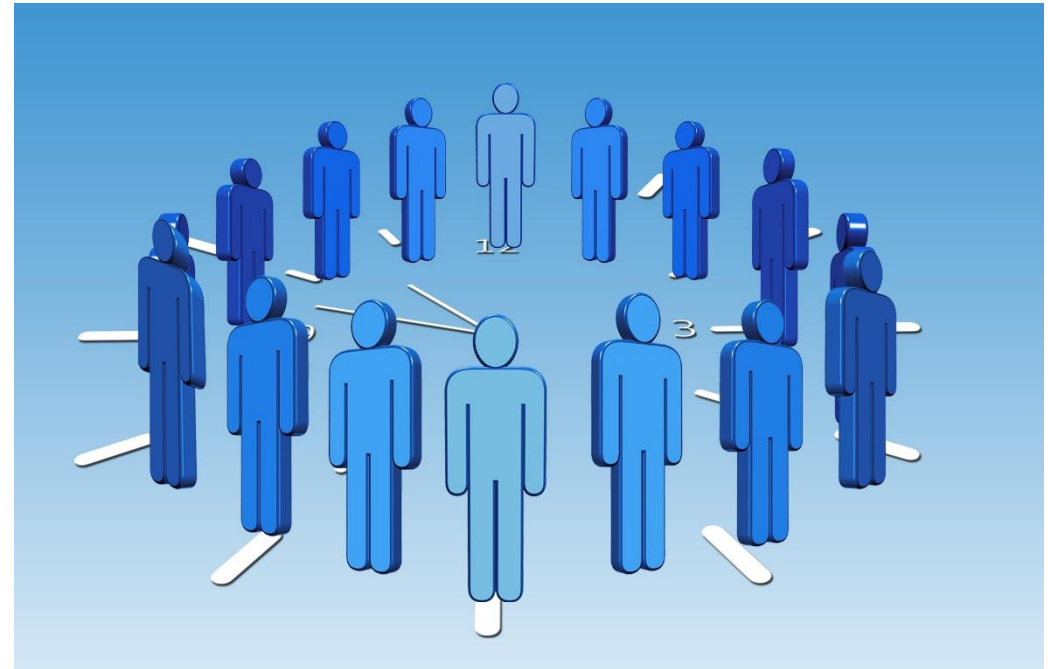


25th Anniversary

- Vermeer
- Ditch Witch
- SST Prof. Dr.-Ing. Stoll & Partner
Ingenieurgesellschaft mbH
- Cebo Holland B.V.

Congratulations !

Membership development



New Members since the Members' Meeting 2023

Regular Members (10)

- SAS Coquart.EU, France
- RBS Rohrbau-Schweißtechnik GmbH, Austria
- Marty Bauleistungen AG, Switzerland
- Galjard Bau GmbH, Germany
- GHT GmbH, Germany
- Nibler GmbH, Germany
- Beermann Bohrtechnik Krefeld, Germany
- Hauck Tiefbau GmbH, Germany
- SONNTAG Bauges. mbH & Co. KG, Germany
- Schmallenberger Bohrservice GmbH, Germany

Associate Members (8)

- RTE, France
- DVK Consulting Energy Services GmbH, Germany
- Kugler GmbH, Germany
- Bayernwerk Netz GmbH, Germany
- BM Drilling, Mexico
- Fichtner GmbH & Co. KG, Germany
- Subsite Electronics, USA
- MOST, France

Personal members (2)

- Günter Kruse
- Günter Moll



Exits since the Members' Meeting 2023

Regular Members (4)

- WBW GmbH, Germany
- Mido Sp. Z.o.o., Poland
- Markey Drilling Ltd., UK
- MK Drilling Services Ltd., Ireland



Exits since the Members' Meeting 2023

Associate Members (2)

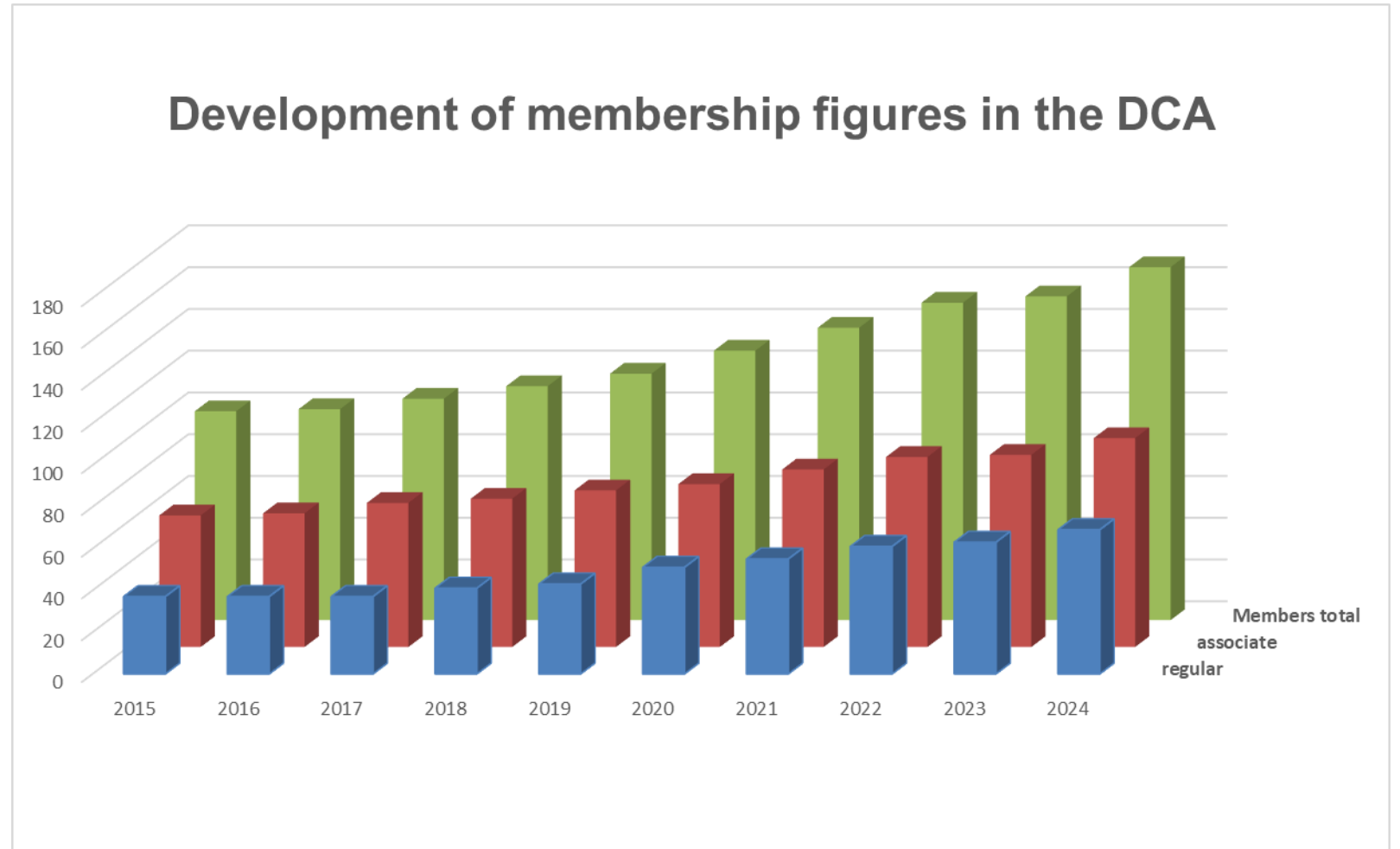
- Solids Control Services Environmental B.V.
The Netherlands
- Orsted, UK



07th February 2024

169 Members

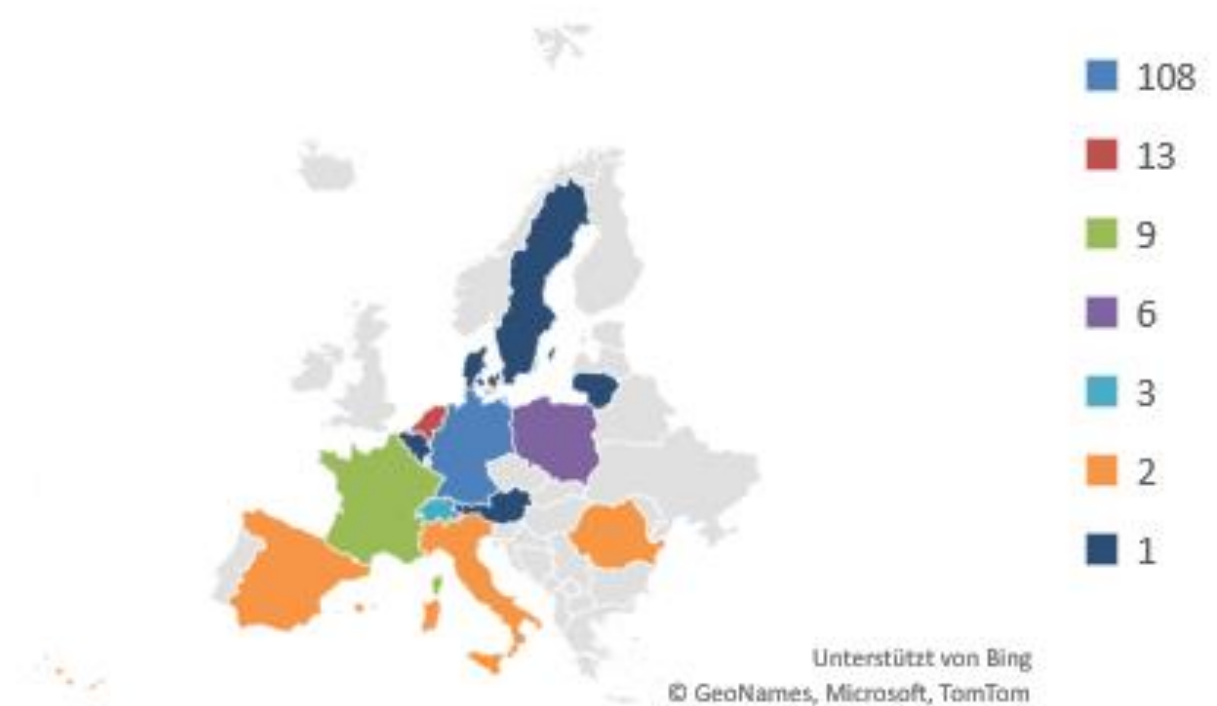
- 69 Regular Members
- 100 Associate Members



European Member countries in the DCA (Status: 07th February 2024)

Country	Number of members
Germany	108
The Netherlands	13
France	9
Poland	6

And others....



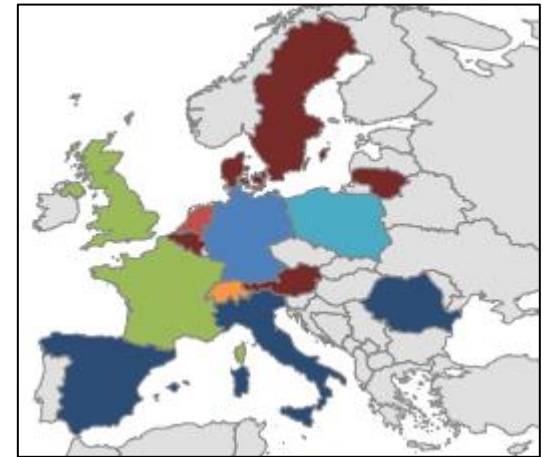
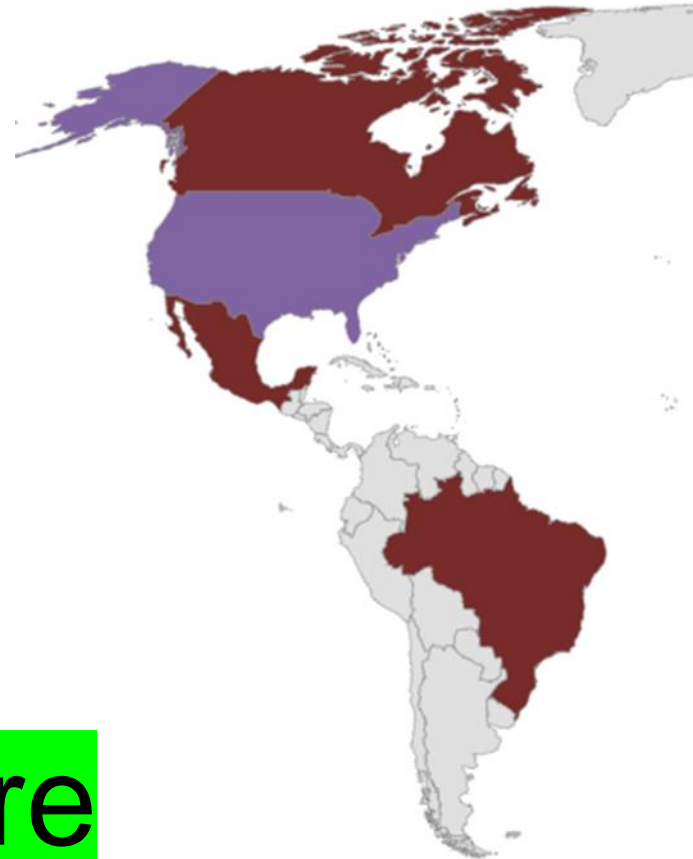
Member countries worldwide in the DCA

(Status: 07th February 2024)

Country	Number of members
Germany	108
The Netherlands	13
France	9
UK, USA	7
Poland	6

And others....

#wearemore



Activities 2023/2024

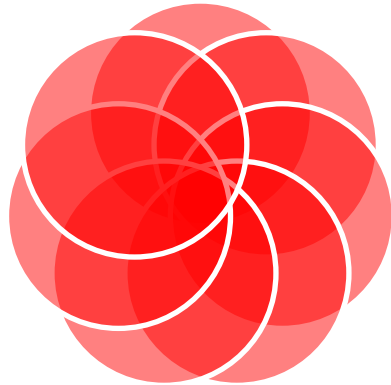


Board meetings

30th January 2024
M-Teams Meeting

28th March 2023
Patentkrug Hotel,
Oldenburg

11th January 2024
M-Teams Meeting



02nd May 2023
DCA-Office
Aachen

15/16th November 2023
Hotel St. Peter
Ahrweiler

**06nd September
2023**
DCA-Office
Aachen

06th June 2023
Bohrmeisterschule Celle





Members' Meeting 2023

29th March
2023

- Hybrid event in Oldenburg, Patentkrug hotel
- 97 participants (52 member companies)
- 155 members in the DCA (21 new members)
- Reports of the DCA representatives from Italy, Spain, UK, France and Scandinavia
- Board elections, change of statutes
- Task group 2 – Technical information No. 6 in German finalised
- Sponsorship program – Bachelor's thesis on the subject of noise emissions



27th Annual Congress in Leipzig, Germany

- „The importance of HDD in the energy transition”
- 210 participants (90 member companies)
Record participation
- Guest lecture on the topic „Geopolitics – an explanation for everything? “ from Ralf Schuster, geopolitical expert
- Panel discussion “Upcoming challenges around HDD“
- Many other interesting HDD projects

04th-06th
October 2023

Annual Congress 2023 BRONZE Sponsors



Bronze-Sponsor



Bronze-Sponsor

Annual Congress 2023 SILVER Sponsors



Silver-Sponsor



Silver-Sponsor



Silver-Sponsor



MANNESMANN
LINE PIPE

A Member of the Salzgitter Group

Silver-Sponsor



Silver-Sponsor



Silver-Sponsor

Annual Congress 2023 GOLD Sponsors



Gold-Sponsor



Gold-Sponsor



Gold-Sponsor



Bohrtec-Teubner Wittenberg GmbH

www.bohrtec-teubner.de

Gold-Sponsor



Gold-Sponsor



Gold-Sponsor

Impressions from the congress and from social network



Panel discussion

Moderator Mrs. Dr.In Antje Wöhnke
Co-Moderator President Jorn Stoelinga

Block 1 Permits, access, other things around the actual works

Podium

- Thomas Grimm, ILF Beratende Ingenieure GmbH
- Gregor Stanislawski, Ingenieur- und Planungsbüro LANGE GmbH & Co. KG
- Ernst Fengler, LMR Drilling GmbH
- Julian Engelbert, Amprion GmbH
- Kay Büchenschütz, TennetTSO GmbH
- Jörg Himmerich, Dr.-Ing. Veenker Ing.gesellschaft mbH



Panel discussion

Moderator Mrs. Dr.In Antje Wöhnke
Co-Moderator President Jorn Stoelinga

Block 2 Technical issues

Podium

- Jörg Himmerich, Dr.-Ing. Veenker Ing.gesellschaft mbH
- André Mathieu, Amprion GmbH
- Timo Mücke, Beermann Bohrtechnik GmbH
- Marco Reinhard, Leonhard-Weiss GmbH & Co. KG
- Philipp Dick, Moll-prd GmbH & Co. KG



Panel discussion

Moderator Mrs. Dr.In Antje Wöhnke
Co-Moderator President Jorn Stoelinga

Block 3 Personnel and equipment

Podium

- Jürgen Muhl, Step Oiltools GmbH
- Ronald Siebel, TenneT TSO GmbH
- Günter Albers, Bohlen & Doyen Bau GmbH
- Thomas Winter, HDD Sachsen GmbH
- Simon Herrenknecht, Herrenknecht AG
- Brian Jorgensen, Ditch Witch



Exhibition



Sponsors free of charge!

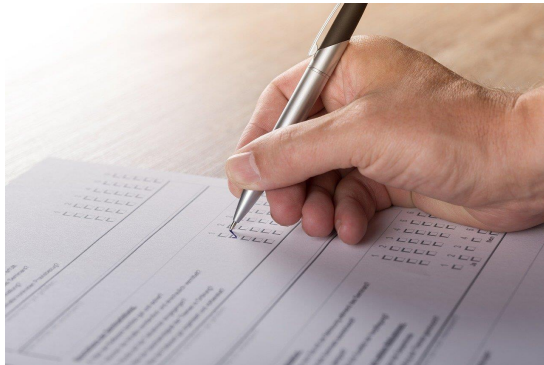


17 exhibitors in Leipzig!

Evening event on the Panoramatower Leipzig



Were you satisfied?



Results of the questionnaire

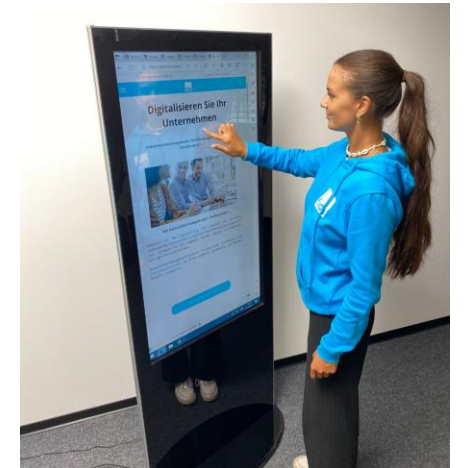
- Survey in the congress room and online
- 82 participants (60 online)
- German and English participants in comparison



Summary of the survey results



German- and English-
speaking participants in
comparison



Consistent results – German/English



- The **congress content** *fully or largely* met expectations
- The **organization** was predominantly rated *as very good*
- The **congress website** was mainly rated as *very good and good*
- The **panel discussion** was rated as *good or better by 80%* of all participants
- The panel discussion was *preferred* by all participants *as a form of event*
- *Very good overall assessment of the event*
- *97.22% of English participants and 100% of German participants would recommend the event to others*

Differing results – German/English



- The evening event on Thursday and the get-together were mainly rated *well* by English participants and *very well* by German participants
- *English participants are also interested in lectures and workshops*

→ Basically *few deviations* in the results



Topics

- Further education young people
- Tenders
- Drilling mud recycling
- Exchange between clients and contractors
- Drilling tools and possible uses for different soils
- Computer programs to support geological issues / digitization
- HDD in earthquake zones
- Technical topics

Suggestions

- Collect the results of the panel discussion and formulate recommendations for action
- More time for panel discussions, longer blocks without breaks
- No self-promotion in presentations



Topics

- New HDD technologies
- Skills shortage
- NSD - near surface drilling
- Drilling equipment and innovation
- Recycling of mud
- Electric drilling rigs
- Electric drilling and sustainability requirements in tenders

Suggestions

- Smaller groups for Podium discussion
- Inclusion of younger people in the discussion, e.g. inviting universities
- English speakers at the panel discussion
- Larger rooms for the number of people
- Access to simultaneous translation at every seat
- Congress language in English

21st Trenchless Engineering Conference

- Tomaszowice near Krakow, Poland
- Conference, exhibition, technology show
- Greatest No Dig event in Poland and Eastern Europe
- Vice-President Atef Khemiri on site,
Lecture on the topic „contracts“,
Focus on payment terms



13.-15th June 2023

Summer event 2023 at L-Team Baumaschinen and L-Team X-Tools

- In Glauburg-Stockheim on the company premises
- Three trade fair days
- DCA represented with a stand
- Wide range of products, interesting equipment demonstrations
- Live music with the cover band "The Diamonds"

29.06. - 01.07.2023





Ditch Witch Customer day 2023

- Sant Feliu de Llobregat, Barcelona
(European head office from Ditch Witch)
- >370 participants from 22 countries
- Competition “Underground Challenge”
- DCA with infobooth and competition on site

20.10.2023



No-Dig from FSTT in Marseille

- DCA and OPTIMUM with joint stand
- Interesting presentation of current trenchless projects

28.11.2023





Cooperation DCA - FSTT

- Development of a common Technical Guideline (French version)!



Further activities in 2023

- ☑ **Task group 3** – Revision of Technical Guidelines
Yellow print sent to members, notes are being incorporated

- ☑ **Task group 4** – Data Acquisition and Logging
Management transferred to Florian Gies (Tracto-Technik)

- ☑ **Task group 5** – DCA/GSTT Subsoil
Further meetings, need for coordination with chapter 10 of the new guidelines

- ☑ **Task group** DVGW GW 340 – (DCA-cooperation)

- ☑ **Task group** BGL 2025 (Germany) – (DCA-cooperation)

2. Report of the board

2.2 Reports of the departments (current DCA projects)



2.2.1 Task Group 3 - Technical Guidelines



- After the revision is before the revision
- This will be the last revision of the Technical Guidelines in this form (5th edition)
- The next revision (6th edition) no longer builds on the existing, but starts from a new basis
- Same fields will be covered





- The draft was sent to the members on 25th July 2023
- Response from 10 members before the deadline
- Further response of another two members after the deadline
- Even further response two weeks ago
- Yes, it is taking a long time
- Currently considering/implementing comments
- 1-2 meetings per week, (Mr. Quante, Mr. Himmerich, Mr. Schnau, Mr. Stoelinga)
- Hair splitting, but important since it is a recognised standard
- Main issues:
 - Applicable and up to date standards
 - Accuracy/tolerances
 - Manufacturers claims vs field experience
 - Large scale vs small scale
- Expected to be ready for formatting April 2024?



Projekgrundlagen		in Abhängigkeit von der Region, in der die Horizontalbohrung durchgeführt werden soll, können auch klimatische Daten wie Niederschlagsverteilung und -menge sowie Temperaturerhöhungen (Eisbohrungen), Abkühlungen (Wasserbohrungen, Gießbohrungen für hydrographische Bohrungen, u. D. Stimmungserschütterungen, Tiefschlag etc. nach Angaben von Geotechnik (G) u. D. pH-Werte, Salinität etc. sind zu berücksichtigen, wenn die Oberflächenwasser aus einer Abwässerung der Bohrung resultiert werden soll	Nicht durchgelesen	LMR (Erweit. Funktion)	
Bohrlochbohrungen				TRACTO (D. Lingenau)	
Lehrantorsproben Tabelle 1: Art und Umfang der erforderlichen Lehrantorsproben: Seite 12-13	Kornverteilung	Aus allen zu durchbohrenden Schichten	Bohrlochstabilität, Zusammensetzung der Bohrspülung	DIN 18123 mit Kömungsbändern	Wissen sind hier DIN-Messung genau, wenn es möglich ist, bitte die Analyse Bohrspülung auf
	Kornzahlwert/Abrasivität	Aus allen zu durchbohrenden Schichten	Vortriebsgeschwindigkeit, Verschleiß des Bohrwerkzeuges, Stabilität des Bohrkanals	Zeile 2, Spalte 4 Abrasivitätskoeffizient für Lockergestein LAK nach NF P18-579 Ein Lockergestein CAI nach NF P94-430-1	Klassifiziert: "FS- Lockergestein" Klassifiziert: "FS- Lockergestein CAI nach NF P94-430-1"
			Wasserdurchlässigkeit k [m/s] Durchlässigkeitsbeiwert M	Aus allen zu durchbohrenden Schichten	geprüft: "Trennungstest"

Änderungsvorschläge TR 5. Auflage

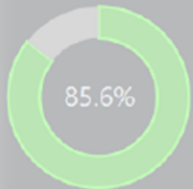
	English	German	Notes	Editor
		Zeile 5, Spalte 4 Wichte leicht und Wichte unter Aufbau nach DIN 18125- II	Überschneidet sich mit Bohrerbohrungen die nicht in einem kreisförmigen Bereich sind, sondern in einem rechteckigen Bereich sind	TRACTO (D. Lingenau)
		Zeile 6, Spalte 4	Dan Lingenauer hat Konsistenz in durch Zustandsform bindiger Böden ersetzt	TRACTO (D. Lingenau)
		Zeile 9, Spalte 4 Stellenmodul E, oder Youngsmodulus E oder Pressenmeter modulus E _n [N/mm ²]	E - "S" tiefgestellt E - "n" tiefgestellt	TRACTO (D. Lingenau)
		Zeile 10, Spalte 4 Wandstärke S	"Hohlbohrer" Klassifiziert	TRACTO (D. Lingenau)
		Zeile 11, Spalte 4 Bohrlochdurchmesser d _h oder d _h [mm]	Dan Lingenauer Freitag hat formatiert: Tiefgestalt Dan Lingenauer hat gelöscht: UCS	TRACTO (D. Lingenau)
		Zeile 12, Spalte 4 Bohrlochdurchmesser d _h oder d _h [mm]	LAGA - 48 ist nicht mehr gültiger Standard	LMR (Erweit. Funktion)

02/2021 16:45:58

Last Joint Stop

04/02/2021 14:29:29

Drilling time: 97 min



Downtime: 52 min

Event Log of events

- 63 reparatie coating
- 61 afvonkveer problemen
- 27 reparatie coating
- 13 berrie grout nog niet klaar
- 12 intrekken met grout
- 3 Grout komt uit gat
- 2 tank leeg pompen
- 1 barrel tegen de rig

1 Pullback

Joints to go: 1

Last Joint's Average RPM

6.36

Direction of returns
PS

Joints completed today
74

Length completed (m)
707

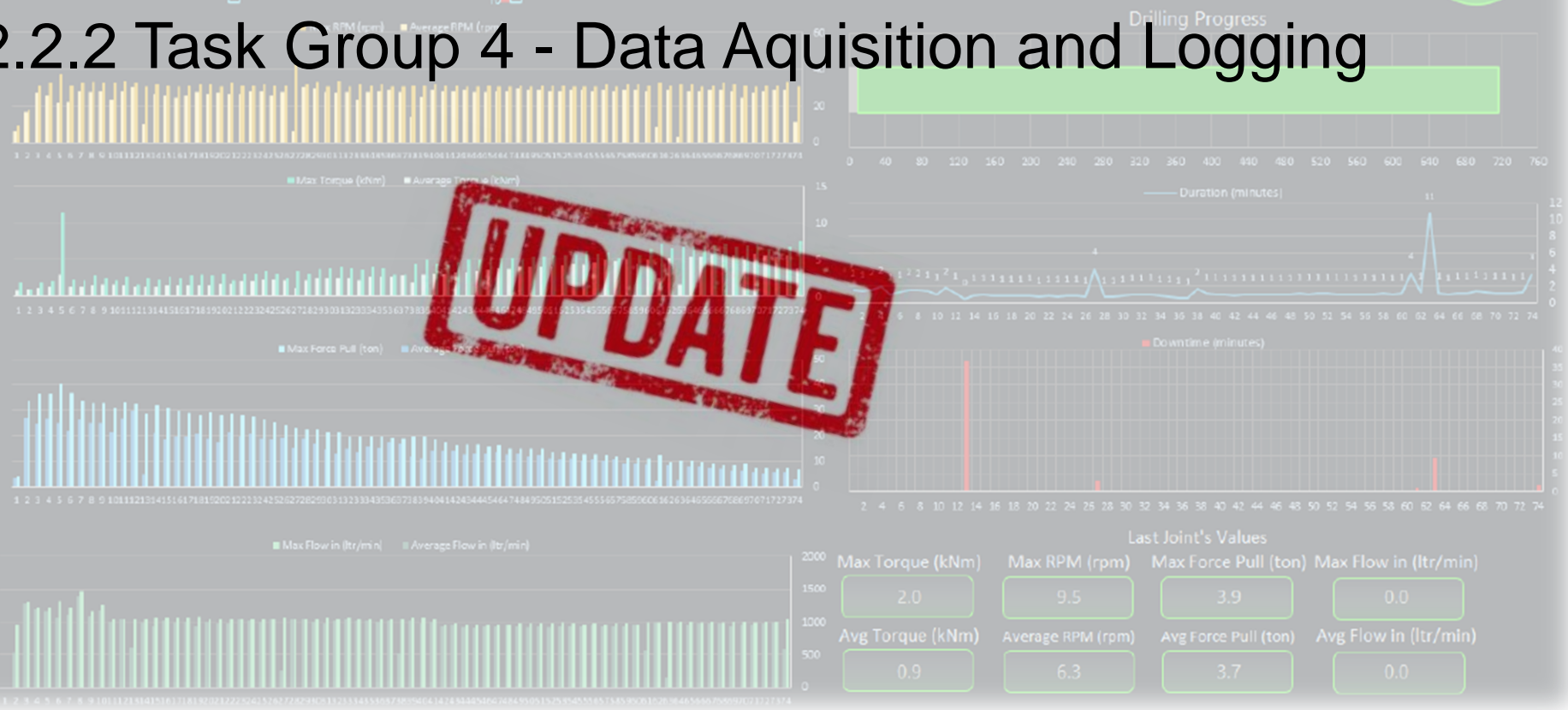
Length to go (m)
9.8

Average joint duration (min)
1.3

Progress

98.6%

2.2.2 Task Group 4 - Data Acquisition and Logging



Update

- Several meetings held in 2023 to further refine what should be logged and the frequency.
- Moving into 2024 I will be handing over the task group to Florian Gies to bring the task group to a conclusion.
- Florian brings a wealth of experience from Tracto as Head of Market Development and I'm sure will steer the task group to its final recommendations
- Hand over of all information to take place in February
- Thank you to all who participated in the group and for anyone who still would like to participate its not to late to get involved.



TRACTO

2.2.3 Task Group 5 (DCA/GSTT) - Subsoil



Review

- Joint task group from DCA and GSTT
- Members of the task group from both associations

Günter Kruse (ehem. LMR Drilling)

Christoph Donié (Donié Consult)

Sebastian Schwarzer (Perforator)

Dan Lingenauber (TRACTO)

Frederik Müller (IngSoft)

Jonas Schmidt (OGE)

Philipp Dick (MOLL-prd)



- Since foundation in March 2023: 6 meetings, 2 in presence
- Focus is on the HDD method, followed by transfer from pipe jacking methods

Processing status

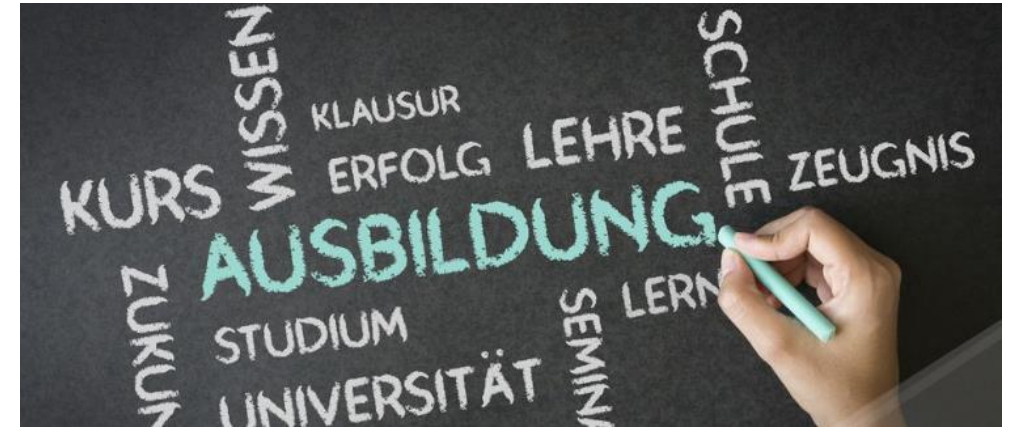
- Objective: To mediate between theory and practice
- Developing a common understanding
„Meaning and use“
- Prioritization of the parameters
 - Classification of projects into categories
 - Definition of a minimum scope of investigation
 - Further recommendations



Outlook

- Comparison with the new DCA Guideline
- Inclusion of the new GSTT information 28-2
„Baugrunderkundung und Baugrundbeschreibung für Rohrvortrieb - Homogenbereiche für Böden und Fels“
- Further use of the information, e.g. assistance in writing and reading subsoil reports?

2.2.4 Training and further education



Training and further education at DCA

According to the DCA's statutes, the purpose of the association is to

„to keep the technical standards for horizontal directional drilling, to promote and to develop, especially by

...

3. Promotion of further education and training

... ”



DCA-Members' Forum HDD-Technology 2023

German speaking group



English speaking group with *Ruby*



03.05.2023

DCA-Members' Forum HDD-Technology since 2018

Members' Forum HDD-Technology 2024 –
„Filling of the annular space“

25.04. 2024

- ▶ Members Forum HDD-Technology 2023 - "Accuracy in HDD-drillings"
- ▶ Members' Forum HDD-Technology 2022 - "Use of drilling tools in the borehole"
- ▶ Members' Forum HDD Technology 2020 - "New Trenchless Techniques linked to HDD Technology".
- ▶ Members' Forum HDD Technology 2019 - "Requirements for small-scale drilling technology"
- ▶ Members' Forum HDD Technology 2018 - "HDD Trouble Shooting"



2019

27th DCA-Annual Congress Leipzig

04.10. – 06.10.
2023

Panel discussion „Upcoming Challenges around HDD“

Eight specialist lectures

Like the DCA Members' Forum, this is also a training event according to DVGW GW 329!

L-Team/X-Tools

Drilling fluid and recycling training

Febr. 2023

Vermeer

HDD-training in Switzerland

March 2023

Tracto-Technik

Subsoil for HDD soft ground and rock drilling and drilling technology

March 2023

Numerous other DCA members have held training courses!

Please announce dates (advance notice possible via DCA website LinkedIn page)

HDD-Further training event according to DVGW GW 329 Kassel especially for technical supervisors



07.12.2023

- 121 participants
- Leader Marco Reinhard
- Three special lectures + training construction contract law



Training courses according to DVGW GW 329 for specialist companies

Training courses for

- Skilled Supervisor (HDD Specialist)
- Site manager
- Driller

for horizontal directional drilling

08.01. – 01.02.
2024



BOHRMEISTERSCHULE CELLE

Staatlich anerkannte Fachschule
für Bohr-, Förder- und Rohrleitungstechnik

Drilling School Celle

Participants 2024

Skilled supervisor A	11
Skilled supervisor A+B	8
Skilled supervisor B	2
Site manager A	4
Site manager A+B	9
Site manager B	1
Machine operator A	22
Machine operator A+B	10
Machine operator B	3

Total: 70



Further training seminar Specialist for mud technology for HDD construction measures



BOHRMEISTERSCHULE CELLE

Staatlich anerkannte Fachschule
für Bohr-, Förder- und Rohrleitungstechnik
Drilling School Celle

19.02.-
21.02.2024

- Specialist knowledge of HDD mud technology
- Application of drilling fluid on HDD construction sites
- Laboratory practical course



Training in the Netherlands at Deltares Academy, Delft

October
2023

Refresher course

15.01.-
19.01.2024

HDD 1 <40t - 16 participants

22.01.-
26.01.2024

HDD2 >40t - 8 participants



Training in English language !

- Deltares plans additional English HDD courses supported by DCA (GW 329)
- The DCA is happy to support members or institutions here
- However, DCA has no resources
- The DCA is not a training center or contractual partner of such institutions



36th Oldenburg Pipe Forum 2024



08.02.-
09.02.2024

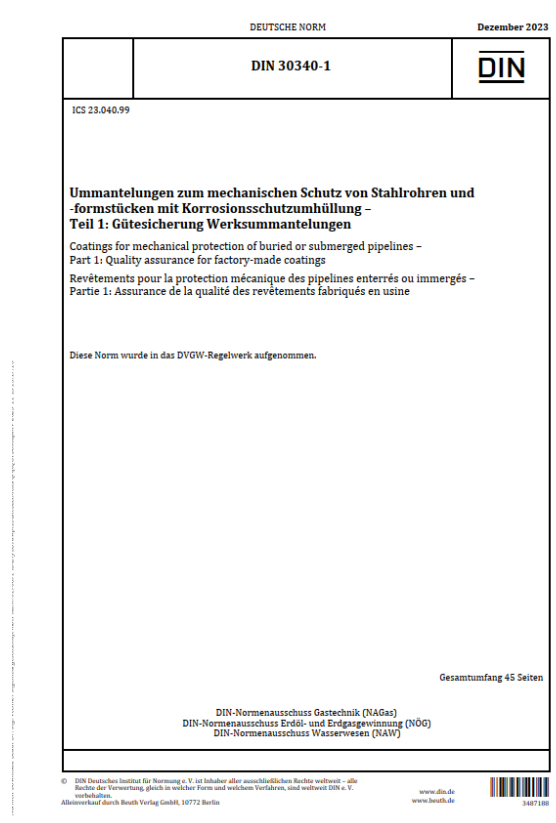


2.2.5 Task Group GW 340 (DVGW, Germany)



Coatings

The DVGW worksheet GW 340 changed to DIN 30340



DIN 30340-1

Coatings for the mechanical protection of steel pipes and fittings with corrosion protection coating—

- Part 1: Quality assurance for factory-made coatings

DIN 30340-1

Draft:

Part 2: Quality assurance for field coatings and repair materials

Publication: 2024-01

Date of issue: 2023-12-15

Objections until: 2024-02-15

In progress:

Part 3: Handling, repair and re-sheathing of steel pipes on the construction site

DIN 30340 – part 1 - content

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2.2.6 Sponsorship program



Msc. Accuracy of HDD, DCA update

Adam Lisowski
31.01.2024



Steps already completed

- Introduction chapter
- Literature study
 - Analysis of available pull-in force prediction models
 - Analysis and comparison of available navigational technologies
 - Additional information available valid for the thesis
- Results
 - Figures visualising the bore paths
 - Figures showing the thrust and pull in forces along the bore
 - Figures visualising changing (gradient) thrust and pull-in forces along the bore
 - Figures portraying the irregularities (double gradient) in the bore with respect to the borehole centre
 - Figures portraying the inverted bending radii of each pipeline element
 - Figures showing the in-situ geological structures

Steps to be completed

- Finish the implementation of Pipeforce Version1 model (4/5 parts completed)
 - Expanded by a pipe ballasting option
- Create a bore path optimisation algorithm striving to achieve the smallest pull-in forces possible by adjusting the ballast
- Finish the implementation of a numerical model based on the NEN regulations
- Compare the results of both models spanning all available projects (validating them at the same time)

Steps to be completed

- Describe the results of the entire analysis
- Discuss potential influence of optimising the bore path in terms of industry
- Discuss the sensitivity and feasibility of the results
- Produce recommendations for future research and industry following the same tracks

Outlook 2024

DCA- Sponsorship program:

- A student has submitted a preliminary request for a Master's thesis.
- The work is to be carried out in collaboration with a DCA member company.
- An application for funding will then be submitted.



2.2.7 Task Group BGL 2025 (Germany)



Revision of the construction equipment list (Germany)

Responsible for the DCA:
Julian Hirsch, Bohlen & Doyen Bau GmbH

Construction equipment list until BGL 2020

L.0.19 HDD-Rig, hydraulic circulation drilling method

classification of the base unit acc. to average replacement value :

- drill rig on crawler chassis
- percussion drilling drive
- drill pipe changing system
- drilling mud mixing unit
- partially with cabin and air conditioning

Increasing the average replacement value of the base unit by +35%

for extra equipment:

- drill bits
- drill pipes
- reamers
- swivels
- guidance system

L.0.20 Horizontal-Directional-Drilling, HDD method

classification of the base unit acc. to average replacement value :

- self-driving drill mount
- drill pipe crane
- large drilling bit
- makeup and breakout unit
- operating cabin
- drill mount

Increasing the average replacement value of the base unit by +60%

for extra equipment:

- drilling mud recycling
- high pressure pump
- drill pipes
- drilling tools
- guidance system
- transfer pump and hoses

Construction equipment list in progress (BGL 2025)

L.0.xx Horizontalspülbohranlage, HDD-Verfahren

classification of the base unit acc. to average replacement value:

drill rig

**Increasing the average replacement value of the base unit
for extra equipment, mounted on the base unit:**

control cabin

crawler chassis

diesel engine / electric motor

...

classification of extra equipment acc. to average replacement value:

mixing unit

drill pipes

recycling unit

guidance system

high pressure pump

storage tank

drilling tools if applicable

roller blocks if applicable

2. Report of the board

2.3 Report of the Representatives (Italy, Spain, UK, France, Scandinavia)



DCA-Representative Italy Renzo Chirulli, Vermeer

Report: February 2024





ITALY report November 2023

Renzo Chirulli – DCA Representative for Italy

Natural gas pipeline - Italy

Main projects for the development of the Italian National Grid

PROJECT	START OF OPERATIONS	COST M€
Linea Adriatica	2034	2388
Centrali Dual Fuel	2024/2030	881
Potenziamenti Importazioni Da Nord - Est	>2030	827
Ulteriori Potenziamenti A Sud	>2030	4832
Interconnessione con Malta	2026	8
Virtual Pipeline Sardegna	2024/2027	404
	Total:	9340

Vermeer



Natural gas pipeline - Italy

Main projects for the development of the Italian National Grid

Linea Adriatica – Adriatic line

This project (part of the SGC - Southern Gas Corridor) will increase the transportation capacity, from the southern entry points, by 24 MSm³/d, equivalent to 266 GWh/d.

Pipeline length: 430 km

Pipeline: DN1200



MSm³/d = mega standard cubic meters per day
GWh/d = giga watt hour per day



Natural gas pipeline - Italy

Main projects for the development of the Italian National Grid

Linea Adriatica – Adriatic line

Gas pipeline Matagiola-Massafra

The new pipeline (part of the SGC - Southern Gas Corridor) will increase the maximum capacity from the entry point of Puglia by 74 MSm³/d, equivalent to 820 GWh/d.

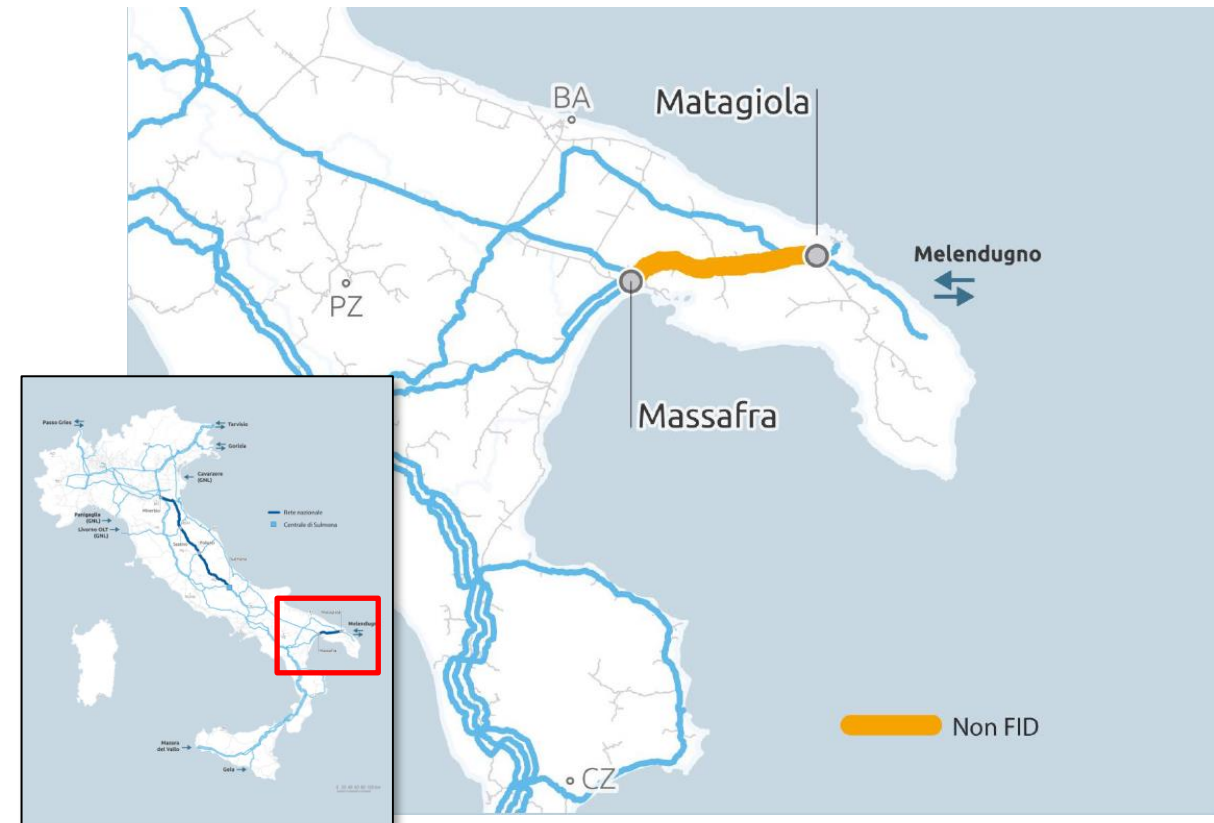
Pipeline length: 80 km

Pipeline: DN1400



MSm³/d
GWh/d

= mega standard cubic meters per day
= giga watt hour per day



* Final Investment Decision

Hydrogen pipeline – Italy 2030



Development plan for the national electricity grid Italy 2023-2032



Development plan for the national electricity grid Italy 2023-2032



Hypergrid project

One of the main features introduced by the 2023 Development Plan is the Hypergrid network, which will leverage the technologies of the **HVDC** (High Voltage Direct Current) transmission system to achieve the energy transition and security targets.

In addition to the development projects that have already been announced, such as the Tyrrhenian Link and the Adriatic Link, **Terna has planned five new electricity backbones designed to integrate renewable energy capacity, backed by investments totaling € 11 billion.**



Candidate members, Italy

Three regular candidate members

Large scale drills contractors

Max 1070 kN

Max 1470 kN

One candidate associated member

Large EPC contractor

> 13.500 employes



DCA-Representative Iberian Peninsula

Brian Jorgensen, Ditch-Witch
(represented by Bernd Steinmetz)

Report: February 2024



Spain and Portugal market overview

DCA – Oldenburg, Februar 2024

Bernd Steinmetz





Ditch Witch®



Content:

- Iberian Peninsula Brief
- Tenerife & Gomera project



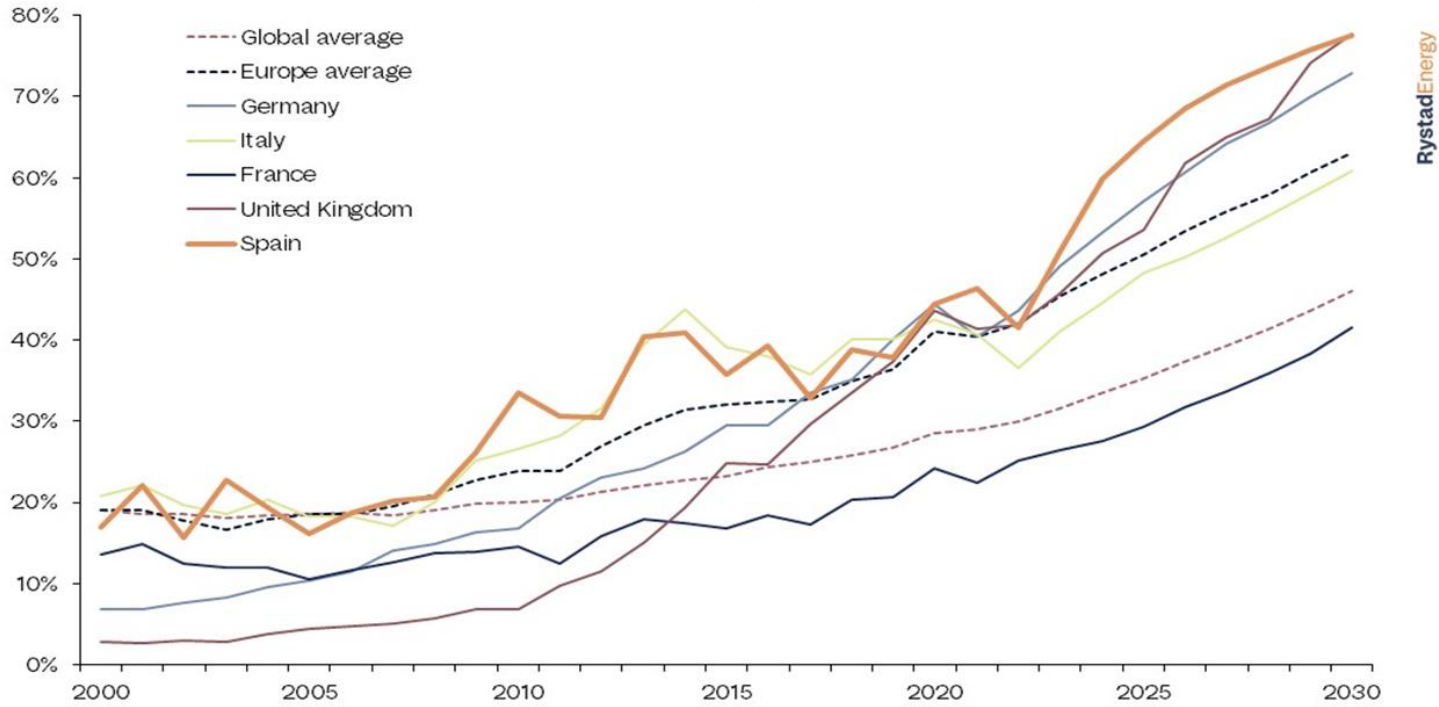
Market highlights:

- FTTH penetration in the 75%+ (top 2-4 in Europe)
- Energy transition & decarbonization
- Many solar farms (photovoltaic parks) are being developed
- HDD is becoming more and more part of it (road & river crossings)
- Also wind farms are in the permitting phase in the mediterranean sea and the Atlantic Ocean & Canary Islands
- an alarming issue with water shortages in the Iberian Peninsula (many restrictions are already in place)
- Several projects are underway to build desalination plants to provide drinking water. Water intake mostly planned using HDD



Focus on Renewable energy

Share of power generation from renewables
Percentage



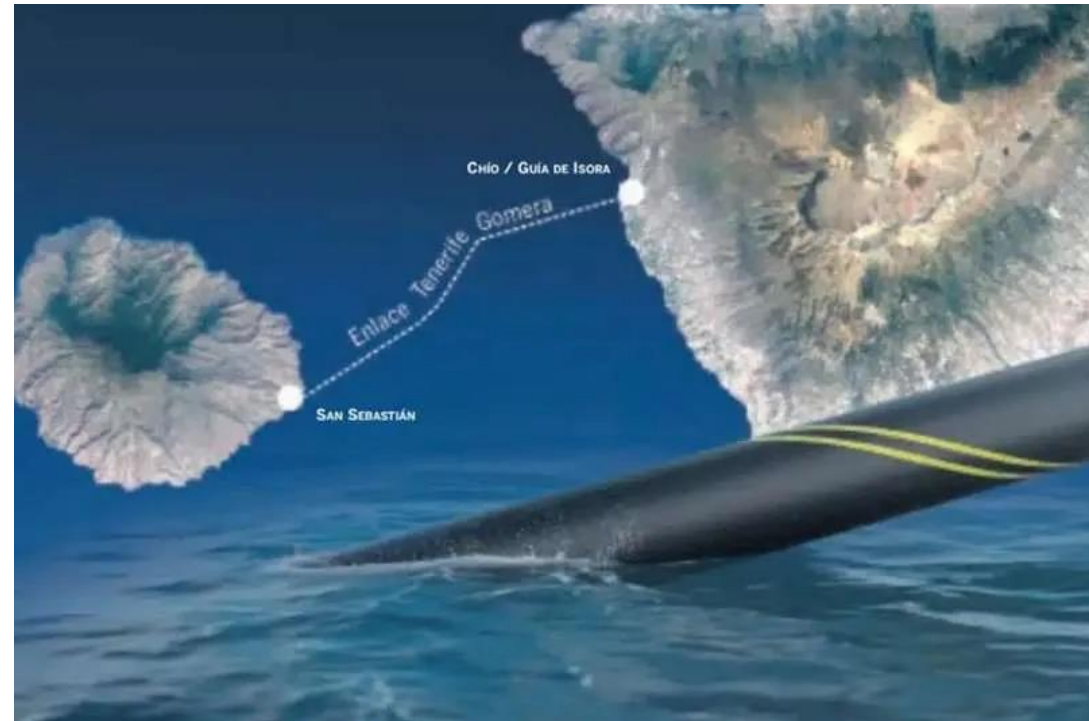
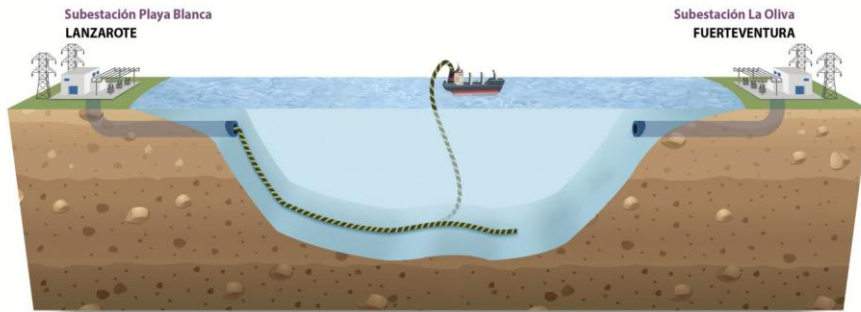
RystadEnergy

Source: Rystad Energy's Power Solution, June 2023
A Rystad Energy graphic



Canary Islands turning towards green electricity

Will be 100% fossil free by 2040.



A 40km long cable (36km on seabed) will connect La Gomera with Tenerife.



Gomera project

- [VERSIÓN CORTA CATALANA HD \(SIN. INFORMACIÓN DE PROCESOS\) 3_1.mp4](#)
- This project is the world`s deepest alternating current (AC) submarine cable ever installed (refer to Catalana Perforacions)
- Rigs on the job DD440T (Gomera) and HK250to (Tenerife)
- Casing on both side with HHB (40"/1,1m diameter)



DCA-Representative United Kingdom Scott Stone, Michels Trenchless GmbH

Report: February 2024



MICHELS[®]
TRENCHLESS GmbH

Current Status

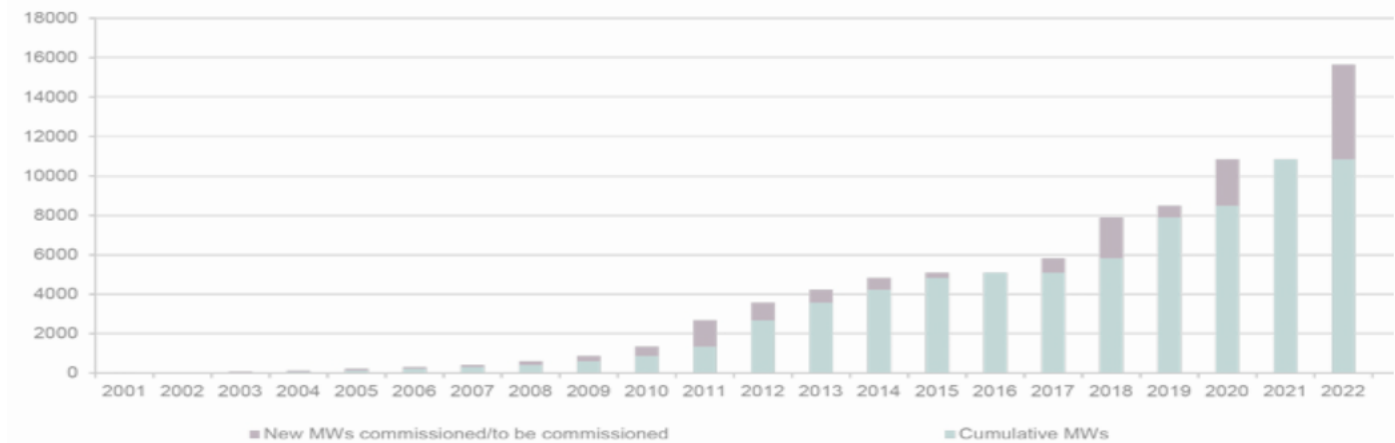
- HDD Market is buoyant and continues to grow.
 - Although currently growing at a slightly lower rate than in the previous year
- Particular areas requiring HDD services are:-
 - Upgrading of onshore networks
 - Small / Medium / Large Scale Rigs Needed
 - One off Special projects
 - Anglian Water - Strategic Pipeline Alliance
 - HS2 – Relocation of services for new Rail Network
- Brexit – Is more manageable but has its challenges
 - Solutions for personnel movements remains challenging in Europe for UK personnel.
 - Equipment movement is possible cross boarder but requires additional paperwork

Current Status



UK Offshore Wind

- Worldwide leaders at the forefront of offshore wind development
- Developing Floating offshore wind
- UK's electricity usage 62 GW
- Offshore Wind 13.8 GW end of 2022

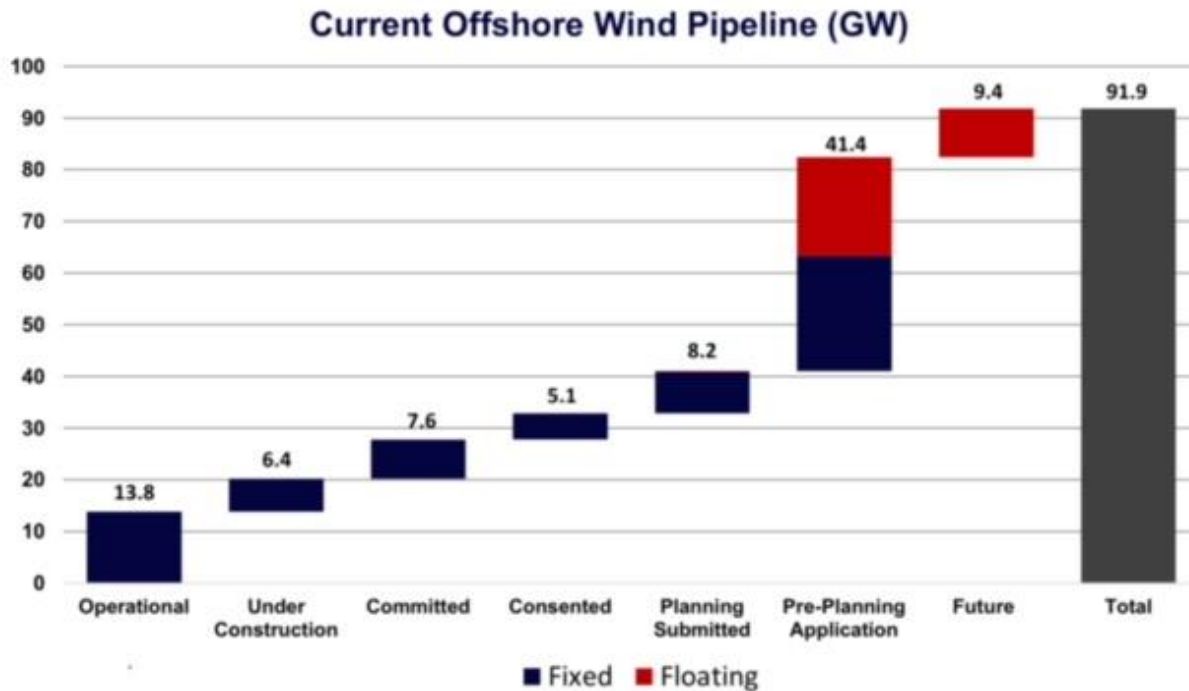


The future

- The UK government has increased its target to achieve 50 GW of offshore wind capacity by 2030, up from the current capacity of 13.8 GW (power for 10 million homes)
- UK's net-zero emissions target by 2050.

The future

The known pipeline of offshore wind farm projects shows significant potential for growth and investment

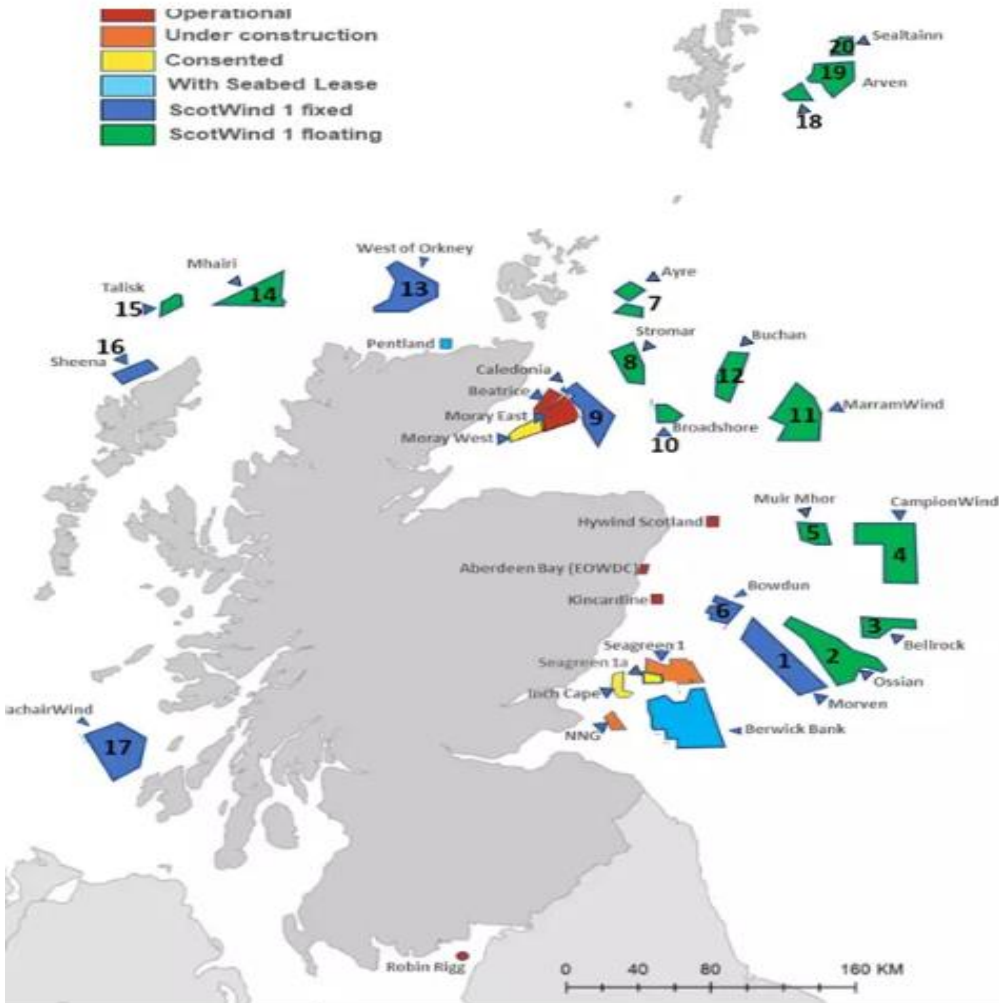


Source: Department for Energy Security & Net Zero Analysis
Footnotes: Operational & under construction up to date as of Q3 2022, committed -> pre-planning application up to date as of Q1 2023, future up to date as of Q3 2023.
Future capacity is based on potential seabed to be leased via The Crown Estate Celtic Sea and INTOG leasing rounds.

Offshore Wind continues to grow

- Shift towards floating wind
- Due to increased interest rates the economy is growing at a slower rate
- Increasing the schemes which remain in the pre-planning stage
- **NEW – Government increase Contract for Difference (CfD) price cap increased by 66%**

Scotland's Plans for the future



SITE	DEVELOPER	CAPACITY
1	BP and EnBW	2907MW
2	SSE Renewables, CIP and Marubeni	2610MW
3	Renantis and BlueFloat Energy	1200MW
4	ScottishPower Renewables and Shell	2000MW
5	Vattenfall and Fred Olsen Renewables	798MW
6	Thistle Wind Partners	1008MW
7	Thistle Wind Partners	1008MW
8	Renantis, Orsted, BlueFloat Energy	1000MW
9	Ocean Winds	1000MW
10	Renantis and BlueFloat Energy	500MW
11	ScottishPower Renewables and Shell	3000MW
12	Floating Energy Alliance	960MW
13	RIDG, Corlo Generation and TotalEnergies	2000MW
14	Northland Power	1500MW
15	Magnora ASA and Technip UK	495MW
16	Northland Power	840MW
17	ScottishPower Renewables	2000MW
18	Ocean Winds	500MW
19	Mainstream RP/Ocean Wind	1800MW
20	ESB Asset Development	500MW

SITE	DEVELOPER	CAPACITY
Robin Rigg	RWE Renewables	174MW
Hywind Scotland	Equinor	30MW
Aberdeen Bay	Vattenfall	93MW
Beatrice	SSE/Red Rock Power	588MW
Kincardine FOW	Cobra/Pilot Offshore	48MW
Moray East	Ocean Winds	950MW
NNG	EDF Renewables and ESB	448MW
Seagreen 1	SSE Renewables and TotalEnergies	1140MW
Seagreen 1a	SSE Renewables and TotalEnergies	420MW
Inch Cape	Red Rock Power	1080MW
Moray West	Ocean Winds	850MW
Berwick Bank	SSE Renewables	4150MW
Pentland FOW	Copenhagen Infrastructure Partners	100MW

The planned growth of offshore wind has also been suppressed due to a downturn in the economy

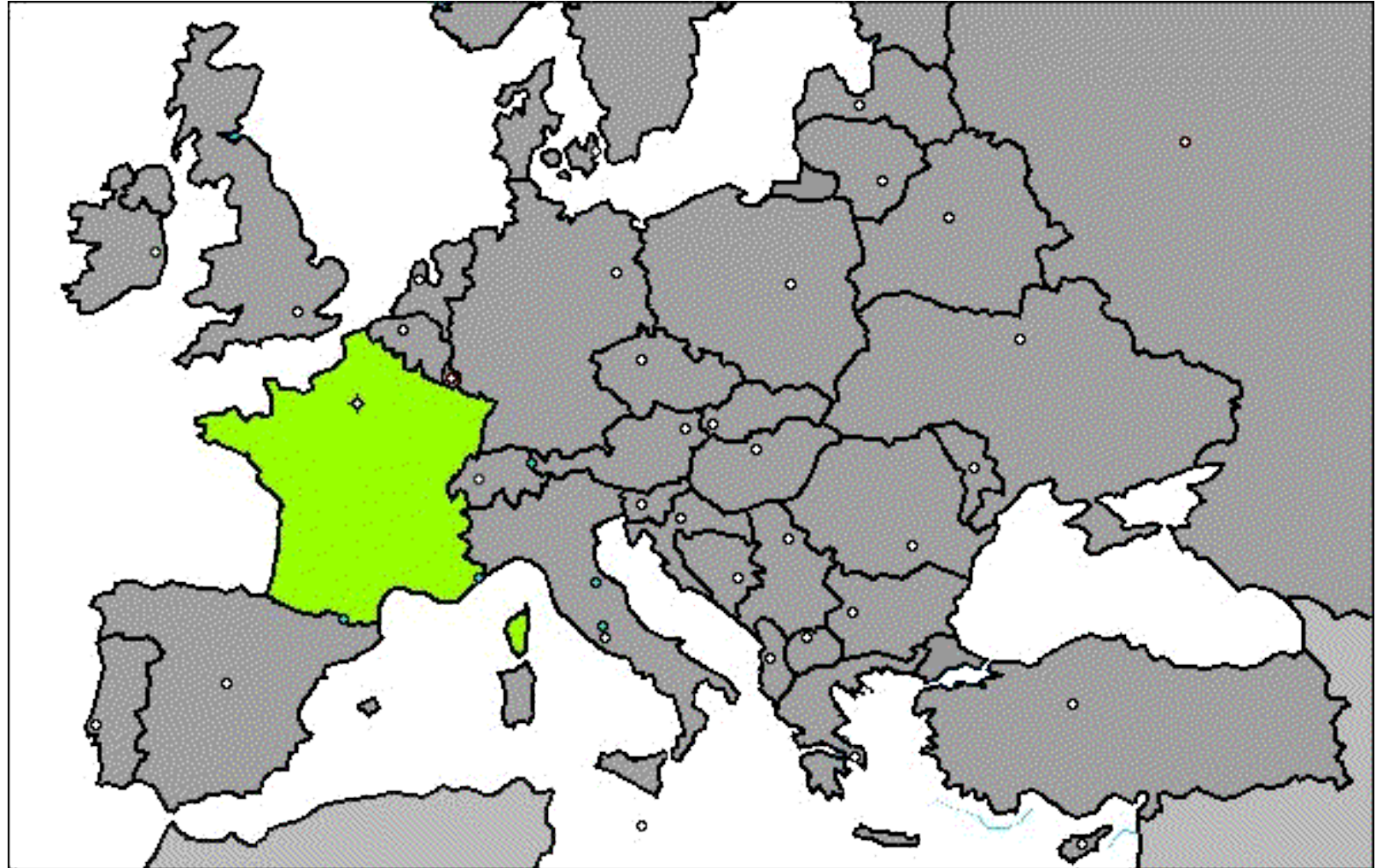
- 
- **National Grid are working on high-level Framework agreements - £50bn in the next 15 Years**
 - **Headway being made with Carbon Capture schemes**
 - **Backed by UK Government to limit investors commitment. taking over the investor's responsibility after 50 years**

National Grid Strategic Infrastructure

DCA-Representative France François Gandard, OPTIMUM

Report: February 2024





Situation 2023

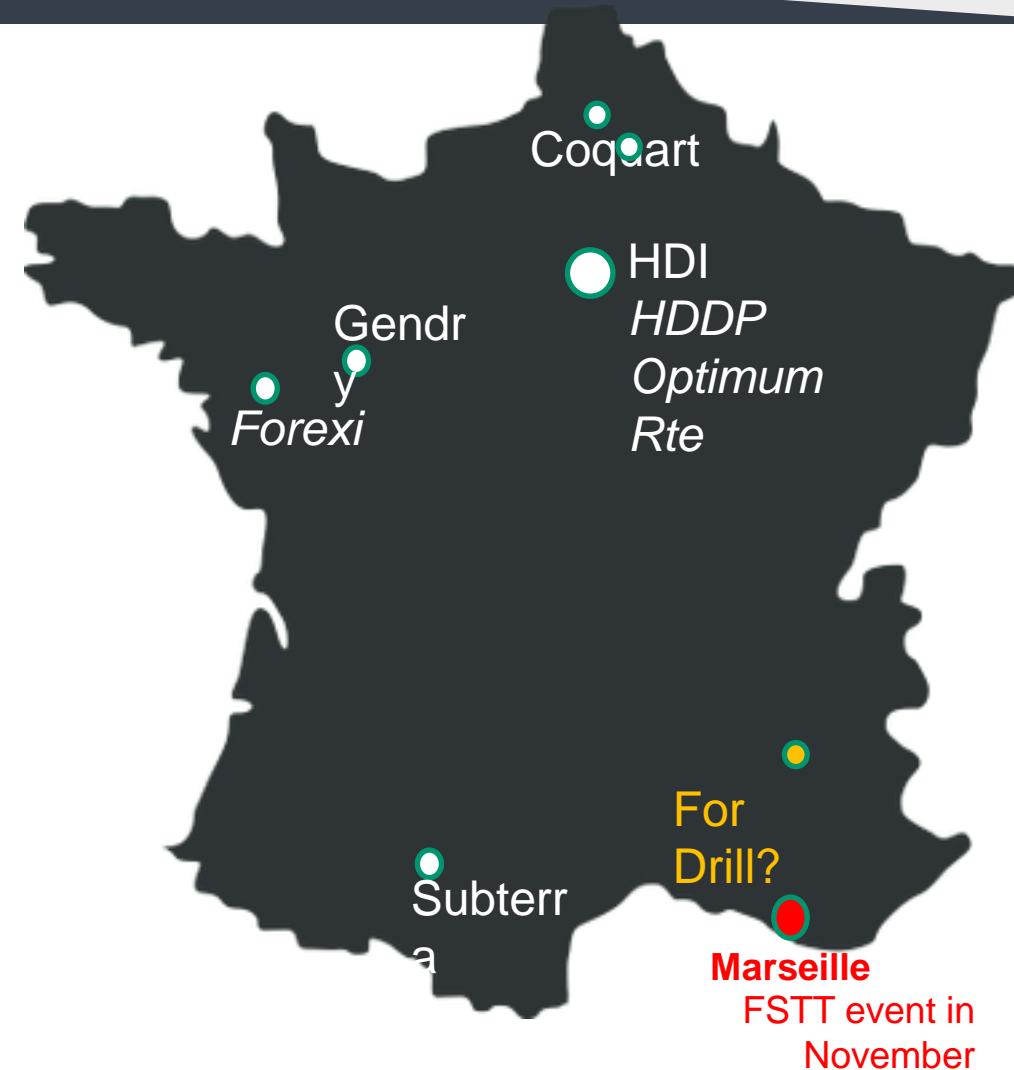
4 Associate Members :

- **FOREXI**, trenchless engineering
- **HDDP Solutions**, Denis PELLERIN
- **OPTIMUM**, trenchless engineering
- **RTE**, Electricity Transport in France

4 1/2 Regular Members :

- **COQUART Forage**,
- **FOR DRILL**, (documents still outstanding)
- **GENDRY**, mainly small scale HDD
- **HDI**, maxi rigs
- **SUBTERRA**, HDD - Microtunnel & Rehab

Partnership with FSTT on Technical Guideline
finalized in Marseille, common boot DCA / OPTIMUM



Perspectives 2024

New associate member in January:

- **MOST** : Distributor of equipment & tooling for HDD

Prospects to be tried again in 2024:

- **For Drill**: maybe one day they send the docs?
- **Huré**: could potentially be interested,
- **FNO**: could potentially be interested,
- **BIR**: could potentially be interested,

Convince major Owners to join :

- **TEREGA** : will probably re-join this year, a minima they told me their intention to attend the annual congress,
- **GRT GAZ** : could potentially be interested,
- **ENEDIS** : first contacts in 2023.

Finalize the French version of the Technical Guideline in collaboration with FSTT



Membership – Accession 2024

- In activity since 1997,
- Based in Paris area,
- Is selling to HDD contractors :
 - Downhole tooling,
 - Bentonite and mud systems,
 - Steering kits,
 - HDD Rigs (XCMG dealer in France),
- Contact: David DUCHARD & Oliver Nichols



French HDD-Market

The French HDD market should keep on booming in 2024 :

- Cable laying is the main part due to the electrification of Industrial assets:
 - RTE announced they would double their investments every year for the next 10 years
 - ENEDIS is also asked to connect a lot of Datacenters all over the Country,
- Gas transport is also moving on hydrogen and decarbonation projects :
 - GRT Gaz in France throughout the country, except for the southwest
 - TEREKA in the southwest area,
 - GrDF for distribution,
- Public utilities should decrease due to Olympic Games
 - No works for a few months to show to the world how beautiful our country is
 - Grand Paris project is now ending giving less investments

**Perspective are favourable for HDD in France
As their European colleagues, French HDD contractors are desperately short of manpower**

DCA-Representative Scandinavia

Benny Jensen, Dantonit

Report: February 2024



DANTONIT

Representative Work in Scandinavien 2022-2023-2024



Benny Jensen
Dantonit A/S

The work in Scandinavia seems to be more difficult than I initially thought.

In the meantime I have contacted or visited almost all of them.

As I reported in 2023, there are no conditions for HDD drilling, except for the Danish Railways or Vejdirektoratet.

This requires certification/membership of NoDig (sub-division of DI "Dansk Industri").



KONTROLORDNING FOR STYRET
BORING OG GENNEMPRESNING



Through my contact with one of the two companies that have the best chances of becoming a member of the DCA, I have learned that their managing director is chairman of NoDig, and am currently just waiting for confirmation of an appointment.



My idea was to generate this company as a member, so that the company and NoDig would have access to our network at the same time.



 Kontrolordning for styret boring og gennempresning

OPTAGELSESBEVIS

Entreprenørfirma: Entreprenør Jacob Post ApS
Kontaktperson: Niels Erik Karstoft
er optaget med metoden

**STYRBAR BORING TIL
OPGRAVNINGSFRI ETABLERING AF LEDNINGER**

System: Styret underboring
Bilag: Deklaration af 1. august 2016

Reference nr.: 01.14.2017-1 Udstedt: 12.01.2018 Gældende til: 31.12.2018

Kontroludvalget for styret boring og gennempresning


Kjeld Emil Olsen
Formand for Kontrolordning for
styret boring og gennempresning


Klaus Linn Hansen
Direktør for
Byggeriets Kvalitetskontrol A/S

I have arranged a possible order for one of our partners, and through this mediation I am in the process of convincing the company of the value / quality of membership in the DCA



In addition I will contact drilling companies and suppliers that have not been contacted for 2024.

VP VILLY POULSEN A/S | NO-DIG A/S

Step 2 in 2024 is to establish written contact with the drilling companies in Sweden and Norway.



DCA-Representative Eastern Europe Bartek Fraczak, Subsite Electronics



2. Report of the Board

2.4 Treasurers' Report



Annual Report 2023



1.	Revenues	acc. to Plan	actual Figures
1.1	Dues Members	231.000,00 €	251.820,32 €
1.2	Revenues from sponsoring (annual congress)	35.000,00 €	38.000,00 €
1.3	Revenues from reimbursements (annual congress)	85.000,00 €	120.564,60 €
1.4	Technical Guidelines (Sale)	8.000,00 €	10.999,47 €
1.5	Other revenues	100,00 €	2.589,68 €
1.6	Interests	500,00 €	1.671,09 €
		359.600,00 €	425.645,16 €
2.	Expenses	acc. to Plan	actual Figures
2.1	Personal and Administration	99.960,00 €	99.960,00 €
2.2	Travelling Cost (Executive Secretary, Office)	28.000,00 €	30.897,99 €
2.3	Members' Meeting, Board meetings	9.000,00 €	20.199,75 €
2.4	Annual Congress	110.000,00 €	138.124,61 €
2.5	Simultantranslation Members' Meeting	9.800,00 €	10.449,39 €
2.6	Membership Advertisement	6.000,00 €	5.533,50 €
2.7	Exhibitions	15.000,00 €	22.988,14 €
2.8	Insurance, Dues	210,00 €	205,18 €
2.9	Postage	1.500,00 €	1.030,11 €
2.10	Office Material, Office Services	6.000,00 €	5.544,49 €
2.11	Tax/Legal Consultant	4.000,00 €	3.176,03 €
2.12	Incidentals Bank	2.000,00 €	1.528,40 €
2.13	Depreciations/ Lost receivables	5.000,00 €	2.200,00 €
2.14	Informationmaterial	6.000,00 €	4.146,64 €
2.15	Sponsorship Program (students)	5.000,00 €	- €
2.16	Public Relations	14.000,00 €	14.277,03 €
2.17	Special Events - 30 years DCA	- €	- €
2.18	Print Technical Guidelines	5.000,00 €	2.065,84 €
2.19	Members' Forum	8.000,00 €	7.920,10 €
2.20	Task groups (support)	20.000,00 €	11.200,34 €
		354.470,00 €	381.447,54 €
3.	Surplus		
	Profit/Loss	5.130,00 €	44.197,62 €

Financial Statement 2023



Drilling Contractors Association (DCA-Europe)

Verband Güteschutz Horizontalbohrungen e.V.

Association des Entrepreneurs de Forage Dirigé

Financial Statement as of December 31st 2023

Activa	EUR	Passiva	EUR
A.		A. Equity Capital	
I. Office Equipment	2,00	I. Balance carried forward	266.969,82
II. Fixed assets	6,00	II. Annual Loss/Surplus	44.197,62
			311.167,44
B. Current assets		B. Provisions	
I. Recievables and other assets		Other provisions	1.500,00
Receivables against members	10.613,05		
		C. Liabilities	
II. Cash on hands and banks	313.903,12	resulting from services and suppliers	11.856,73
	324.524,17		324.524,17

SURPLUS CALCULATION				
for the period January 1st - december 31th, 2023				
	1.1. - 31.12.2023		1.1. - 31.12.2022	
	€	%	€	%
Revenues				
Item 1: Dues regular Members	127.563,00 €	30,00	95.550,00	31,40
Item 1: Dues associate Members	116.681,32 €	27,40	106.089,00	34,90
Item 1: Requested Dues	7.576,00 €	1,80	10.229,25	3,40
Item 1.2: Revenues Annual Congress (Sponsors)	38.000,00 €	8,90	16.000,00	5,30
Item 1.3: Revenues Annual Congress	120.564,60 €	28,30	66.892,02	22,00
Item 1.4: Technical Guidelines (Sale)	10.999,47 €	2,60	9.085,02	3,00
Item 1.5: Other revenues	2.589,68 €	0,60	0,00	0,00
Item 1.6: Interests	1.671,09 €	0,40	55,55	0,00
Sum Revenues	425.645,16	100,00	303.900,84	100,00
Expenses				
Item 2.1: Personal and Administration	99.960,00 €	23,50	79.914,45	26,30
Item 2.2: Travelling Cost (Executive Secretary, Office)	30.897,99 €	7,30	30.902,21	10,20
Item 2.3: Members' Meeting, Board meetings	20.199,75 €	4,70	8.469,15	2,80
Item 2.4: Annual Congress	138.124,61 €	32,50	116.583,19	38,40
Item 2.5: Simultantranslation Members' Meeting	10.449,39 €	2,50	8.431,77	2,80
Item 2.6: Membership Advertisement	5.533,50 €	1,30	5.902,40	1,90
Item 2.7: Exhibitions	22.988,14 €	5,40	14.364,75	4,70
Item 2.8: Insurance	205,18 €	0,00	205,18	0,10
Item 2.9: Postage	1.030,11 €	0,20	1.295,39	0,40
Item 2.10: Office Material, Office Services	5.544,49 €	1,30	5.696,37	1,90
Item 2.11: Tax/Legal Consultant	3.176,03 €	0,70	2.983,95	1,00
Item 2.12: Incidentals Bank	1.528,40 €	0,40	2.783,34	0,90
Item 2.13: Depreciations/ Lost recievables	2.200,00 €	0,50	1.050,00	0,30
Item 2.14: Informationmaterial	4.146,64 €	1,00	6.284,10	2,10
Item 2.15: Sponsorship Program (Students)	- €	0,00	2.500,00	0,80
Item 2.16: Public Relations	14.277,03 €	3,40	13.610,63	4,50
Item 2.17: Special Events	- €	0,00	0,00	0,00
Item 2.18: Print Technical Guidelines	2.065,84 €	0,50	1.944,46	0,60
Item 2.19: Members Forum	7.920,10 €	1,90	7.535,10	2,50
Item 2.20: Task Groups (support)	11.200,34 €	2,60	0,00	0,00
Sum Expenses	381.447,54	89,70	310.456,44	102,20
Annual Loss/Surplus	44.197,62	10,30	-6.555,60	-2,20

2. Report of the Board

2.5 Report of the financial auditors

Christoph Kreutz (brbv)
Edgar Mrotzek, (Bohlen & Doyen)



3. Exoneration of the Board

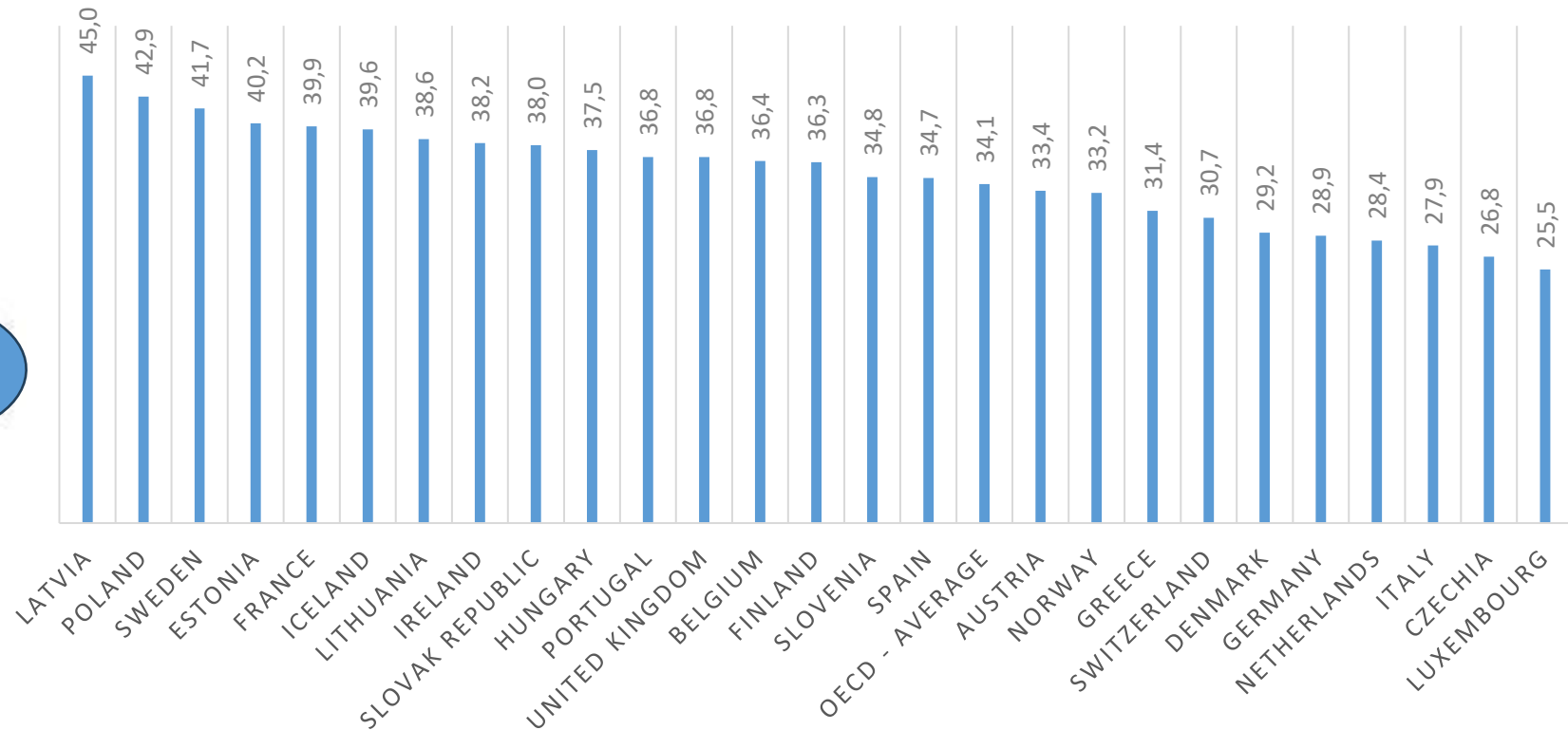
4. Women empowering HDD



How to reinforce our industry through diversity?

And what can we do at DCA level?

SHARE OF FEMALE MANAGERS - 2022



<https://stats.oecd.org/index.aspx?queryid=96330>



Where to start?

Women Empowering HDD – starting our network

- 1) Monthly meetings since Oct 2023.
- 2) Representatives of our key areas: engineering (Fabiola, x-plan & Lydie – Forexi), suppliers (Nicole, X-tools & Elsedien, Sitetec), Drilling (Anna – Catalana & Camila – HDI).
- 3) A questionnaire/survey to be responded by our members to identify industry numbers, good practices, motivation for gender equality, blocking points.
- 4) Analyze data from responses and prepare action plan to be present at the next DCA congress.
- 5) Join forces with “recruitment video” being prepared for social media to advert for drilling industry
- 6) Publications in DCA website, DCA LinkedIn and other communications
- 7) Promoting Diversity in all DCA initiatives

Let's cultivate our differences for greater wealth

All ideas are welcome to develop our Industry



QR CODE –
until 31/03/24

Anna Serarols (Catalana de Perforacions - aserarols@catalanadeporacions.com)

Fabiola Schnau (x-plan schnau engineering - mail@x-plan-schnau.de)

Camila Sanchez Prado (Horizontal Drilling International – HDI – camila.sanchezprado@hdi.fr)

Nicole Laubach (L-Team X-Tools - n.laubach@x-tools-team.de)

Lydie Vuille (Forexi - lvuille@forexi.com)

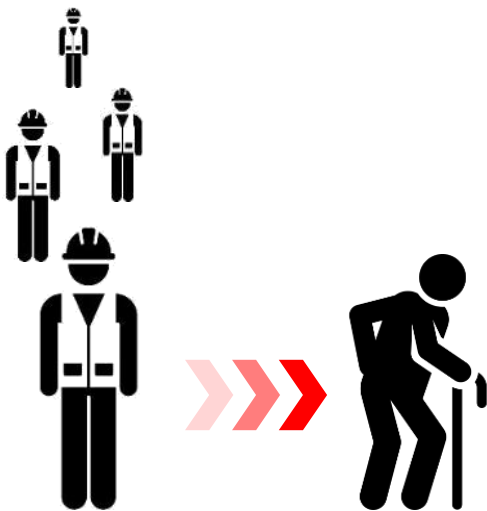
Elsedien Zevalkink (SiteTec - elsedien@sitetec.nl)

**5. Review Podiumdiscussion...what's next?
– “Strengthening the HDD industry!”**

Scarcity of personnel (especially youngsters) aiming to work in the HDD industry

①

The current generation of drillers and skilled operators is progressively retiring



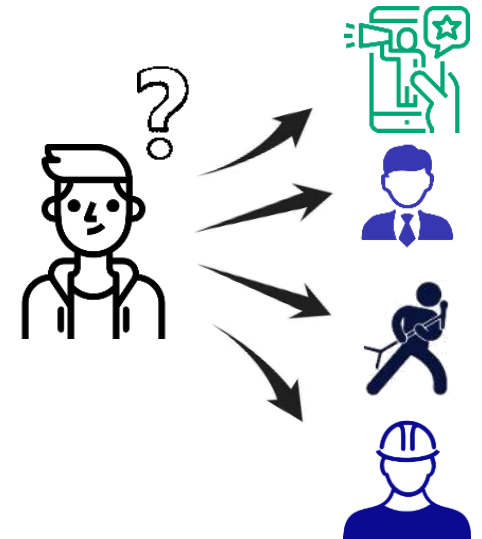
②

A new generation of machines is taking over the old ones: digital versus electromechanical

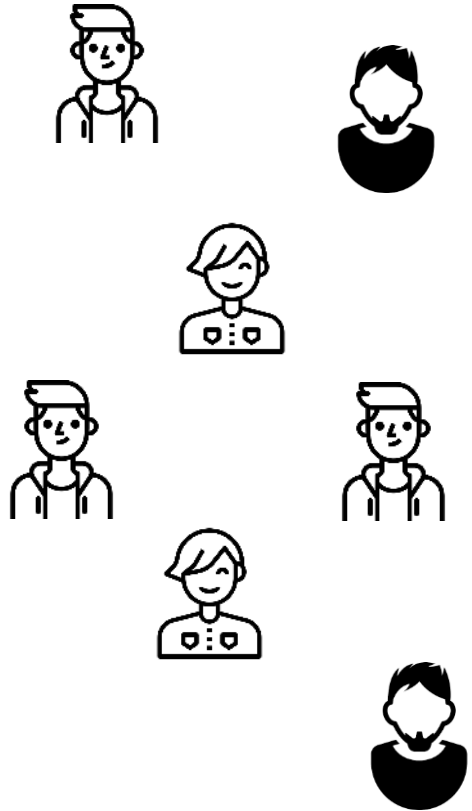


③

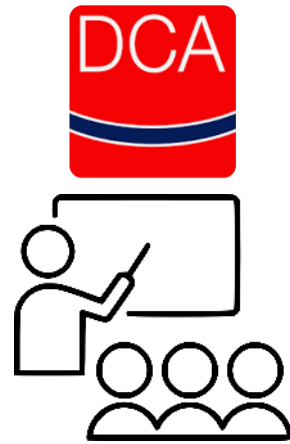
Youngsters choose jobs and careers in new sectors. Working on construction site is not the preferred one.



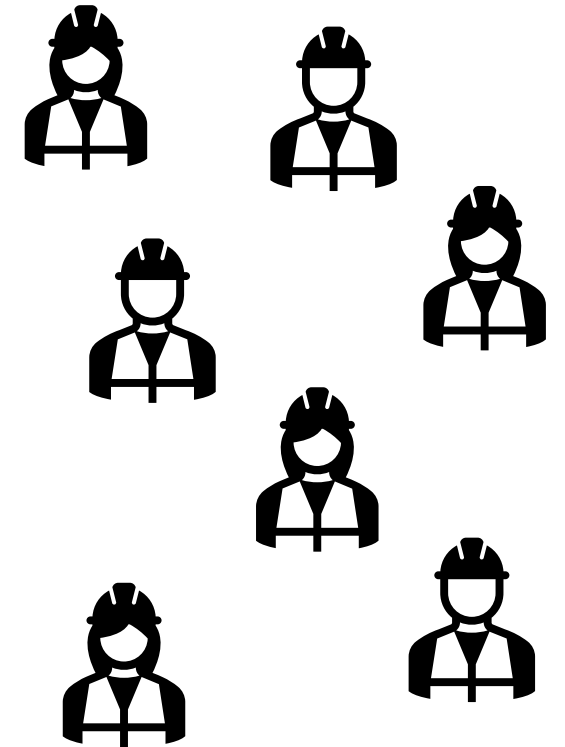
New talents



DCA recruitment platform

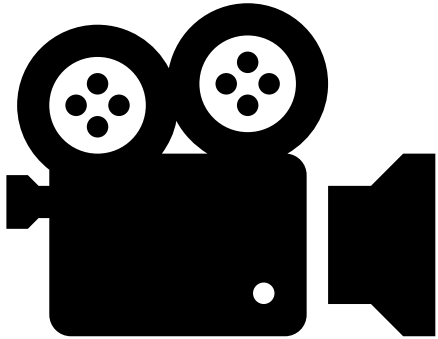


HDD Industry



Video shooting in March-June 2024

(First benchmarking shooting in few days in Barcelona)



Deadline: Feb. 23, 2024!



[dca-europe.org](https://www.dca-europe.org)



<https://www.linkedin.com/company/drilling-contractors-association-dca/>

We are looking for members input about candidate job site locations and timeframes, matching the following requirements:

- **Timeframe:** between mid March and June
- **Iconic locations:** city scenery, nice landscape, famous monuments (e.g.: Eiffel Tower, Colosseum, Big Ben, Brandenburg Gate, etc.)
- **Fiber-optic** projects
- **Off-shore** projects, eventually with windmills/boats in background
- **Solar parks** in background
- **Natural areas/landscapes**
- **Engineering/planning office environment**, cool and modern
- **Workshops:** welding operations, mechanics at work



FOOTAGE

Promotional video project

Guidelines for Submitting Photo and Video Footage for DCA Promotional Video

We are thrilled to include your content in our upcoming promotional video! To ensure the best quality and compatibility with our production process, please follow these guidelines when submitting your photos and videos:

Type of footage:

- People from your organization working on sites, in offices, planning, having meeting, machinery, people operating machines, drilling in action, closeups etc. Basically, situations which are representative for your everyday work with Horizontal Directional Drilling.

File Formats:

- For Photos: We can handle most file formats, but JPEG, JPG, EPS, TIFF, PDF or PNG formats are preferred.
- For Videos: Preferred formats are MP4, MOV, or AVI.

Resolution and Quality:

- Photos: Minimum resolution of 1920x1080 pixels. Higher resolutions are welcome.
- Videos: HD (1080p) or 4K resolution is preferred. Videos at least 1080p (1920x1080 pixels) are preferred.

Aspect Ratio:

- Aim for a 16:9 aspect ratio, especially for videos. This is the standard for most displays and will fit seamlessly into our production.

File Size and Length:

- Photos: Minimum file size of 1MB per image to ensure we get at least decent quality.
- Videos: Try to keep videos to footage clips and not entire videos. If you send an entire video but want us to use only parts of it, please indicate from X second to X second.

Sound Quality:

- If your videos include speech, please ensure it's clear and free from background noise.
- If possible, we would like the video footage without sound

How to Submit:

One of our team (Elsedien, Brian, Jorn, Renzo or Marco) will indicate how to submit

Great, we have a movie!

- Great; I am a young professional, I have seen this movie on:
 - TikTok,
 - Insta,
 - Snapchat.....

- I am interested: now what...?

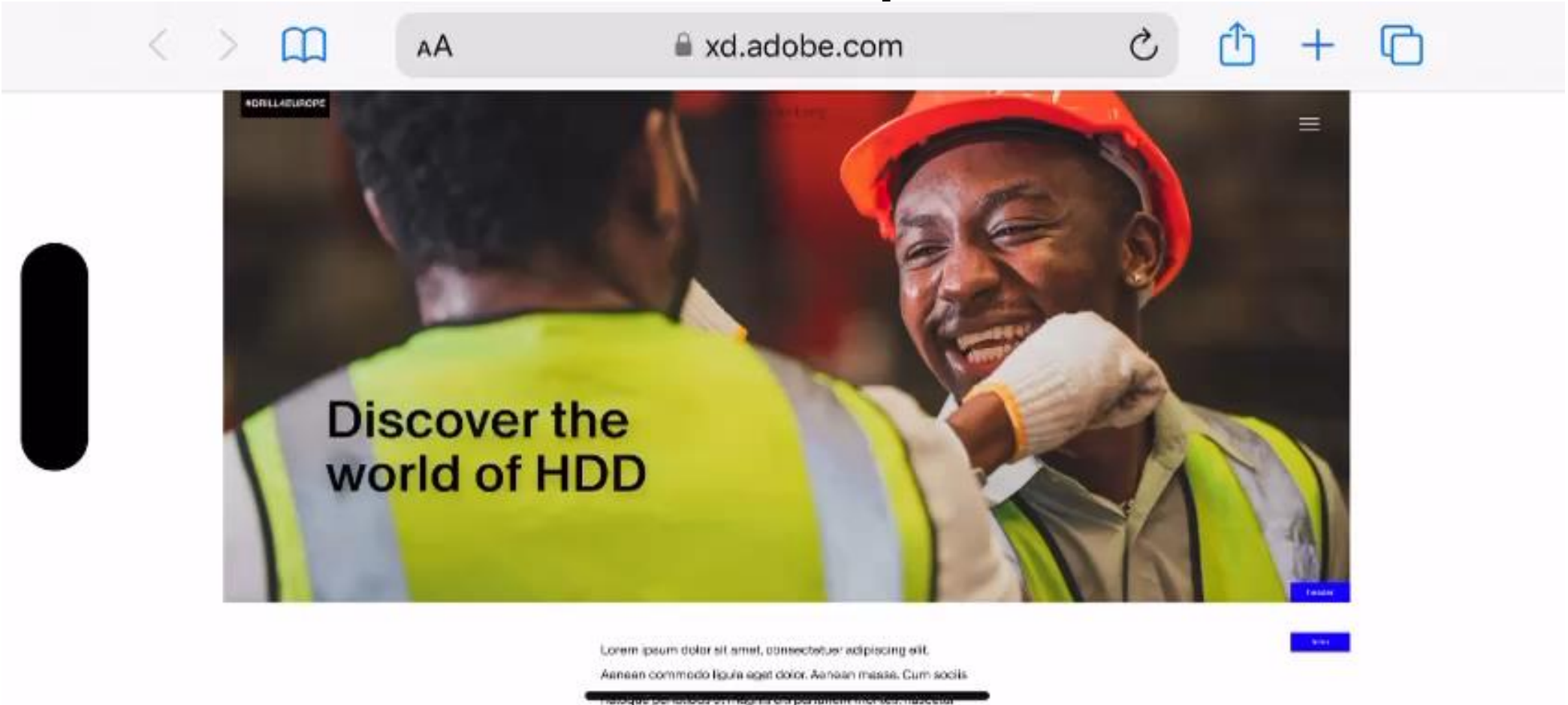




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intro

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WAAROM WERKEN BIJ VLST?

DAT IS NIET ZO MOEILIJK

VLST is een familiebedrijf met een platte organisatiestructuur, we helpen elkaar en iedereen is bereikbaar. We zijn de afgelopen jaren erg gegroeid als bedrijf en deze groei willen we doorzetten. Daarom zijn we opzoek naar personen. Bij VLST geloven we dat onze medewerkers het verschil maken. We geven ruimte voor persoonlijke groei en stimuleren nieuwe avonturen die je professionele leven verrijken. Tipelijk werken in het buitenland? Dit behoort ook tot de mogelijkheden. VLST is een plek waar we samen leren en je je eigen keuzes maakt. Daarbij kijken wij naar wie jij bent, wat jij kunt of nodig hebt om je talent zo goed mogelijk te benutten. Bij de juiste maat, is er onzekerheid veel mogelijk bij VLST.

ONZE VACATURES



Uitvoerder ondergrondse infra

Ben jij de Uitvoerder die graag werkt aan indrukwekkende boorprojecten?

[BEKIJK DE VACATURE](#)



Financieel Administratief Medewerker (met IT kennis)

Vanwege onze groei zijn we op zoek naar een teamleider!

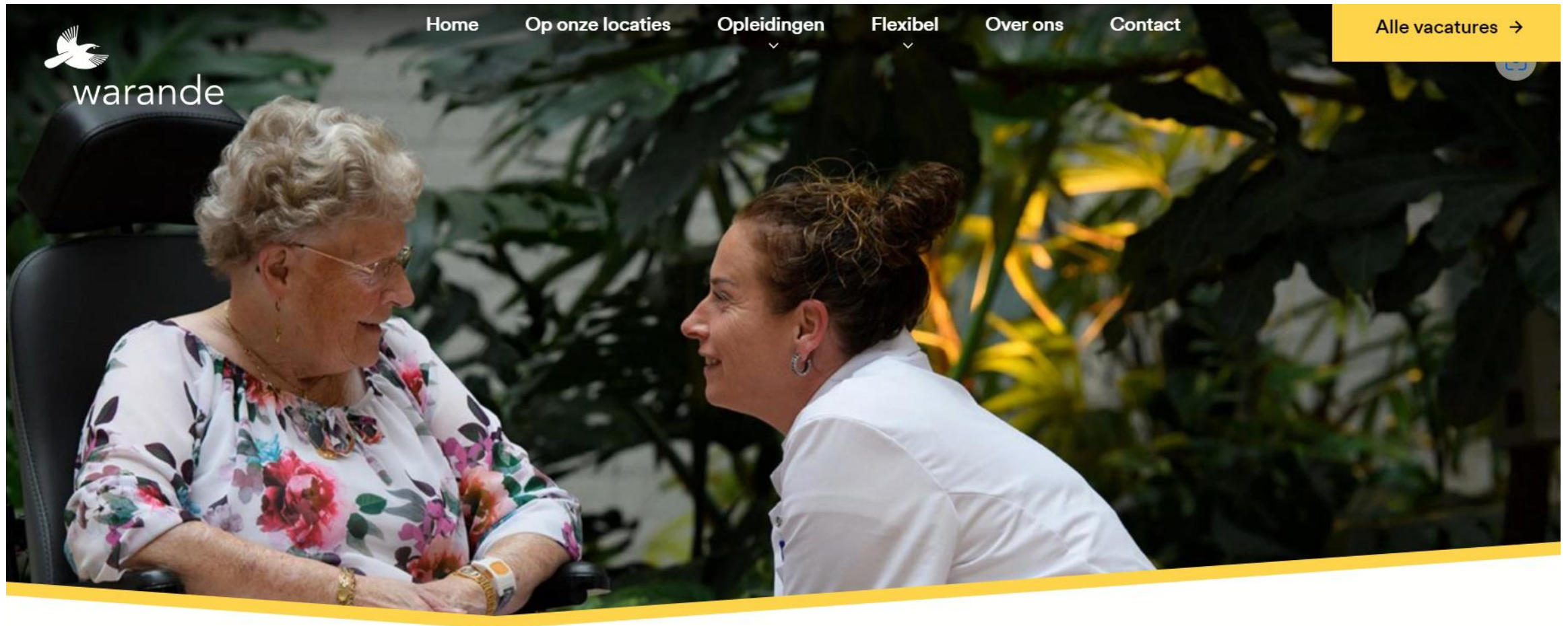
[BEKIJK DE VACATURE](#)



Senior Projectleider

Je wilt in controle zijn en gaat altijd voor de hoogst haalbare kwaliteit.

[BEKIJK DE VACATURE](#)



HDD Field test



**HULP BIJ
STUDIE-
KEUZE?**

Hulp nodig bij het kiezen van een opleiding? We hebben een handige online test. Die jou kan helpen bij het maken van de goede keuze.

De test duurt gemiddeld twee tot drie minuten en bestaat uit zeven vragen.

[Doe de test >](#)



**Beroepskeuzetest
MBO**

Weet jij of wat je wilt worden? Of weet je het nog niet precies?

We snappen maar al te goed dat je met bovenstaande vraag kunt worstelen. Deze test helpt jou in deze keuze. In zeven vragen geeft onze Beroepskeuzetest MBO antwoord op de vraag welke opleiding het best bij jou past.

[Start](#)

Bijna klaar!

De testuitlag wordt nu gegenereerd. Als deze klaar is sturen we deze per e-mail naar je toe.

[Verder](#)

← 8/8

6. Business year 2024

6.1 Tasks and goals 2024/25



Tasks and Goals 2024

- **Finalization of the Technical Guidelines (5th Edition)**
- **Preparation of an image film on the topic of Skilled labour shortage**
- 6th Members' Forum in Aachen (25.04.2024)
- 28th Annual Congress in Barcelona (09.-11.10.2024)
- HDD training event planned for clients, engineering firms and authorities, Kassel (December 2024)
- Continuation of the Task Groups and other tasks

....and more...

Members' Forum 2024

Venue: Novotel, Aachen

Topic: „Filling of the annular space“



25.04.2024
Exclusive for Members,
two linguistically separate
groups



28th DCA Annual Congress 2024 in Barcelona, Spain

SAVE THE DATE

09th -11th
October 2024



Sponsors of the annual congress 2024



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MICHELS[®]

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Drilling Contractors Association (DCA Europe)
Association des Entrepreneurs de Forage Dirigé



large scale drilling
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- Communication
- Networking
- Social Program



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HDD training event planned for clients, engineering firms and authorities, Kassel!

Leader: Marc Schnau

- Introduction to process technology and regulations
- Feasibility assessment
- Planning
- Execution
- Presentation of current projects
- Current topics
- Final discussion



Dec. 2024

6. Business year 2024

6.2 30th Anniversary 2024



30th Anniversary DCA 2024

Venue: Sailing trip - IJsselmeer
Four elements hotel, Amsterdam



20.06.2024
Exclusive for
members



30. Anniversary DCA 2024

Venue: Sailing trip - IJsselmeer

Four elements hotel - Amsterdam

Program (20.06.2024):

12.00-14.00 pm

Lunch at Hotel

14.30 pm

Transfer to ship

15.00-22.00 pm

Sailingtrip - IJsselmeer

at 22.30 pm

Get together at the Skybar

Note: 2 Participants per DCA-Member



6. Business year 2024

6.3 Budget 2024



1.	Revenues	
1.1	Dues Members	270.000,00 €
1.2	Revenues from annual congress (Sponsors)	25.000,00 €
1.3	Revenues Annual Congress	120.000,00 €
1.4	Technical Guidelines (Sale)	12.000,00 €
1.5	Other revenues	100,00 €
1.6	Interests	2.000,00 €
		429.100,00 €
2.	Expenses	
2.1	Personal and Administration	99.960,00 €
2.2	Travelling Cost (Executive Secretary, Office)	31.000,00 €
2.3	Members' Meeting, Board meetings	22.000,00 €
2.4	Annual Congress	138.000,00 €
2.5	Simultantranslation Members' Meeting	10.500,00 €
2.6	Membership Advertisement	6.000,00 €
2.7	Exhibitions	20.000,00 €
2.8	Insurance	210,00 €
2.9	Postage	1.000,00 €
2.10	Office Material, Office Services	6.000,00 €
2.11	Tax/Legal Consultant	3.500,00 €
2.12	Incidentals Bank	1.500,00 €
2.13	Depreciations/ Lost receivables	3.000,00 €
2.14	Informationmaterial	3.000,00 €
2.15	Sponsorship Program (students)	5.000,00 €
2.16	Public Relation	12.000,00 €
2.17	Special Event (30 years DCA)	30.000,00 €
2.18	Print Technical Guidelines	5.000,00 €
2.19	Members' Forum	8.000,00 €
2.20	Task Groups (Support)	10.000,00 €
2.21	DCA-Film	15.000,00 €
2.22	DCA-Landing-Page (Preparation, now Support)	15.000,00 €
		445.670,00 €
3.	Surplus	
	Profit/Loss	-16.570,00 €

7. Election of the financial auditors 2024



8. Miscellaneous



Many thanks for your attention!



Stay safe!

**See you at the IRO, Members Forum,
Annual Congress...**