Industry 4.0: Solutions and Approaches for the Oil & Gas Sector
- Meet German Suppliers

Venue: Grand Hotel Terminus, Zander Kaaes gate 6, Bergen
Time: 7th November 2017
Organizer: German-Norwegian Chamber of Commerce in Cooperation with GCE Subsea and VDMA

08.30 Registration

09.00 Welcome
Moderators:
- Alexandra Dreyer, VDMA (German Engineering Federation) – Marine and Offshore Equipment Industries
- Gunnar Buvik, GCE Subsea
- Rita Hareid, German-Norwegian Chamber of Commerce

09.10 Keynote: Outlook for the Norwegian Oil & Gas Industry: A digital Transformation?
Statoil – Digital Centre of Excellence, Geir Slora, Vice President Digital CoE Drilling & Well

09.40 The German Maritime Industry 4.0 and Initiatives for SMEs
German Association for Marine Technology, Dr. Steffen Knodt, Member of the Board

10.00 German Suppliers to the Oil & Gas Industry
- Herrenknecht Vertical GmbH: Deep drilling systems to explore energy resources to depths of up to 8,000 meters. Solutions, equipment, engineering and services.
- Softing Industrial Automation GmbH: M2M communication. Connection of disparate automation components to feed data from production to the cloud for control and analytics.

10.40 Coffee Break

11.05 Technology Needs and Opportunities on the Norwegian Continental Shelf
BRU21 – Better Resource Utilization in the 21st century, NTNU Strategy for Oil & Gas, Project Team Member (tbc)

11.30 German Suppliers to the Oil & Gas Industry
- PSI Software AG: Leading global supplier of process control software solutions for utilities and industry. Integrated solutions for the management of oil and gas pipelines.
- SICK AG: Intelligent sensors, tailored system solutions, and services for analysis and measurement technology for process optimization and emission monitoring.
12.15 Lunch and Networking
During the lunch break participants are welcome to initiate business talks at the tables and exhibition stands of the German Suppliers.

13.15 High Performance Big Data Solutions for the Oil & Gas Industry
Fraunhofer Institute for Industrial Mathematics ITWM, Dr. Franz-Josef Pfreundt, Head of Department High Performance Computing.

13.35 German Suppliers to the Oil & Gas Industry
- developlogic GmbH: Development and manufacturing of turn-key customized data-acquisition and telemetry solutions for monitoring applications.
- Fraunhofer IGD: Underwater computer vision, machine learning, parallel computing on embedded systems, visual analytics in Big Data sets, cyber-physical equivalence.
- Kongstein GmbH: Advisory, engineering and project services across all project stages from concept to operations, e.g. in the context of IoT and Industry 4.0.
- Nordsee Nassbagger- und Tiefbau GmbH: Development of autonomous path planning and decision making for nodule mining. Hydraulic engineering services for offshore oil & gas and renewable industry.

14.30 Experiences from GCE NODE: Cooperation for increased digitalization
GCE Node (Global Centre of Expertise), Marit Dolmen, R&D Manager

14.50 Coffee Break

15.10 Sensor Fusion to ensure precise Positioning on the Sea
The German Aerospace Center (DLR), Dr. rer. nat. Frank Heymann, Group Leader – Institute of Communications and Navigation, Nautical Systems

15.35 How can digitalization increase our competitiveness? Perspectives on an ongoing transformation project
Idévekst Energi AS, Jan Frederik Namtvedt, Partner

15.55 Panel Discussion

16.15 Closing Session
Networking with snacks and refreshments. B2B-meetings with the German suppliers.

Please note that the program is subject to change.