

# Advances In Subsea Pipeline Engineering And Technology Papers Presented At Aspect 90 A Conference Organized By The Society For Underwater Science And Offshore Engineering Volume 24

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Advances In Subsea Pipeline Engineering

This bodes well for the subsea market as the industry builds a new pipeline of projects ... Katmai is connected to the Tarantula platform. Advances in underwater robotics and digital solutions are ...

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Subsea market evolves with rapidly changing energy landscape  
Norwegian oil and gas company Aker BP has awarded subsea contracts for the Kobra East & Gekko (KEG) development in Norway to Subsea 7 and Aker ...

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## Aker Solutions, Subsea 7 to Deliver Subsea Equipment for Aker BP's KEG Project

Subsea 7 today announced the award of a sizeable 1 contract in the Middle East. The scope of work includes engineering, procurement, construction, and installation of various subsea pipelines ...

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## Subsea 7 awarded contract in the Middle East

TechnipFMC received a more than \$1-billion EPCI contract for the subsea ... INTECSEA's engineering lead for PDG technology, said: "The solution is elegantly simple; it uses multiple passive liquid ...

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## Subsea Systems

Subsea 7 and Aker Solutions have been awarded contracts by Aker BP for the Kobra East & Gekko (KEG) field development, located in the Alvheim area of the North Sea. Aker BP, the operator, and licence ...

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## Subsea 7 and Aker Solutions land Kobra East & Gekko contracts

Aker BP has let a contract for Kobra East Gekko (KEG) field development in the Alvheim area of the North Sea to the subsea alliance of Aker Solutions, Subsea 7, and Aker BP.

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## Aker BP lets subsea contract for North Sea KEG field development

Energy exploration and production company Neptune Energy has inked a number of agreements to progress its plans to provide large-scale, low-cost blue hydrogen production in the UK.

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## Plans for a blue hydrogen plant in the UK progress

At the moment, most of the group's pipeline maintenance contracts come from Petronas Carigali across Malaysia. "We also want to increase the range of our service offerings. The latest one that we have ...

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## Handal back on profitability track

ICR will provide engineered composite repairs and weldless connectors for all of Shell's UK Continental Shelf assets.

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## ICR secures services contract with Shell UK

TechnipFMC (NYSE: FTI) (PARIS: FTI) today announced that it has been awarded a significant(1) Engineering, Procurement, ...

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## TechnipFMC Awarded a Significant Subsea Contract for Equinor Kristin Sør Field

Subsea 7 S.A. (Oslo Børs: SUBC, ADR: SUBCY) today announced the award of a sizeable(1) contract by Aker BP for the Kobra East Gekko (KEG) field development, located in the Alvheim area of the North ...

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Subsea 7 awarded contract offshore Norway

TechnipFMC plc FTI recently secured a major contract from Tullow Ghana Limited for integrated engineering, procurement, construction and installation (iEPCI) on the Jubilee South East development, ...

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TechnipFMC (FTI) Seals EPCI Deal for Jubilee South East Project

Demeetra AgBio reports that it is advancing its pipeline for therapeutic cannabinoids ... as well as plants for crop trait engineering. Headquartered in Kentucky, Demeetra AgBio was launched ...

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Demeetra AgBio Advances Therapeutic Cannabinoid Pipeline

TechnipFMC plc FTI recently secured a major contract from Equinor EQNR for engineering, procurement, construction and installation (EPCI) on the Kristin Sør field in North Sea. For the company, a ...

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TechnipFMC (FTI) Clinches Major EPCI Contract From Equinor

To mark International Women In Engineering Day, Jennifer McCartney of National Grid shares her thoughts on how utilities can attract more young females into the sector.

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We need to make a career in engineering more appealing for young female talent

Banks and hospitals may be common targets, but now commercial real estate must learn to protect itself against stealthy hackers.

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What Colonial Pipeline Means for Commercial Building Cybersecurity

Over the past five years, Tennessee Tech has been exploring innovations in the auto industry, starting with the communities around its Cookeville campus and beyond. From self-driving cars to electric ...

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Tennessee Tech is driving autonomous and electric vehicle research

June 16, 2021 /CNW/ -- Demeetra AgBio, Inc., a pre-clinical therapeutics development and genetic engineering company, announced that it is advancing a broad pipeline for therapeutic cannabinoids ...

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Demeetra AgBio Advances Major Pipeline for Therapeutic Cannabinoid Development; Invites Collaborations

Mattioli Woods has completed the acquisition of private equity firm Maven Capital Partners in a deal worth up to £100 million. Maven's North sea oil and ...

Dr C P Ellinas Advanced Mechanics & Engineering Ltd Major advances have been achieved in recent years in subsea pipeline design and installation. Inspection, maintenance and repair have also received much attention. The development of marginal fields has brought with it special problems, which have necessitated novel methods and solutions. In the meanwhile interest in the development of deepwater

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fields continues with the development of new technology. This Conference has placed emphasis in addressing developments in pipeline technology under four main headings: pipeline/seabed interaction; flexible pipelines; pipeline design, fabrication and installation; deepwater applications. Advances in North Sea technology over the last few years have been concerned mostly with marginal fields, small diameter pipelines and new materials, which are well covered in the first three topics. Economic development of marginal fields requires processing of oil and gas to take place not at the wellhead but at existing facilities, usually some distance away. Hydrocarbons are thus often transported at high pressure and temperature in small diameter pipelines, which need to be protected through trenching. However, such operational practice has brought to the fore a problem that in the past was of little concern namely, upheaval buckling.

Aspect '94 is the most up-to-date and comprehensive assessment of the present and future of the pipeline systems industry. It comprises papers from leading experts in all areas of pipeline engineering and technology. As this book shows, the last few years have seen great strides forward in the field of subsea pipelines. Deepwater pipelines, long distance pipelines and complex systems transporting hydrocarbons and fluids to and from marginal field subsea wellheads and templates are all being implemented without significant problems. The pace of progress continues to accelerate in the subsea industry, and the scope to make further improvements is constantly being explored. Operators, consultants, suppliers and contractors are all researching, developing and testing new techniques and ideas.

Papers Presented at Aspect '90, a Conference organized by the Society for Underwater Technology and held on May 30-31, 1990, Aberdeen, Scotland

Edited by the Society for Underwater Technology, this text covers advances in subsea pipeline engineering and technology. Topics covered include changes in the industry, high pressure/high temperature, design, construction/installation and operations and maintenance.

As deepwater wells are drilled to greater depths, pipeline engineers and designers are confronted with new problems such as water depth, weather conditions, ocean currents, equipment reliability, and well accessibility. Subsea Pipeline Design, Analysis and Installation is based on the authors' 30 years of experience in offshore. The authors provide rigorous coverage of the entire spectrum of subjects in the discipline, from pipe installation and routing selection and planning to design, construction, and installation of pipelines in some of the harshest underwater environments around the world. All-inclusive, this must-have handbook covers the latest breakthroughs in subjects such as corrosion prevention, pipeline inspection, and welding, while offering an easy-to-understand guide to new design codes currently followed in the United States, United Kingdom, Norway, and other countries. Gain expert coverage of international design codes Understand how to design pipelines and risers for today's deepwater oil and gas Master critical equipment such as subsea control systems and pressure piping

The technology, processes, materials, and theories surrounding pipeline construction, application, and troubleshooting are constantly changing, and this new series, Advances in Pipes and Pipelines,, has been created to meet the needs of engineers and scientists to keep them up to date and informed of all of these advances. This second volume in the series focuses on flexible pipelines, risers, and umbilicals, offering the engineer the most thorough coverage of the state-of-the-art available. The authors of this work have

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written numerous books and papers on these subjects and are some of the most influential authors on flexible pipes in the world, contributing much of the literature on this subject to the industry. This new volume is a presentation of some of the most cutting-edge technological advances in technical publishing. The first volume in this series, published by Wiley-Scrivener, is Flexible Pipes, available at [www.wiley.com](http://www.wiley.com). Laying the foundation for the series, it is a groundbreaking work, written by some of the world's foremost authorities on pipes and pipelines. Continuing in this series, the editors have compiled the second volume, equally as groundbreaking, expanding the scope to pipelines, risers, and umbilicals. This is the most comprehensive and in-depth series on pipelines, covering not just the various materials and their aspects that make them different, but every process that goes into their installation, operation, and design. This is the future of pipelines, and it is an important breakthrough. A must-have for the veteran engineer and student alike, this volume is an important new advancement in the energy industry, a strong link in the chain of the world's energy production

The three parts of this volume - Technical Refinement; Technical Innovation; and Project Management and Risk Minimisation - reflect the areas of opportunity for improved cost effective techniques for exploration and production of oil and gas in the North Sea and worldwide. The book is indispensable for engineers and scientists interested in the latest advances in technology and resource management that will reduce costs and continue to enhance the safe exploration of oil and gas resources. This volume comprises a selection of contributions presented at the International Conference Subsea International '93, held 28--29 April 1993 in Aberdeen, U.K.

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