

Upstream Technology and Innovation

Valuable insights into technology trends and developments taking place across the exploration and production and broader energy value chain, including how best to source, manage, and advance technological innovations

IHS Markit's Upstream Technology and Innovation advisory service:

- Arms senior technology and business executives with the robust insight they need to make the right technology investment and deployment decisions
- Helps technology practitioners with independent, integrated and comprehensive analysis of technology advances and their practical application
- Provides a collaborative setting for discussing upstream technology developments and opportunities with peers, partners and IHS Markit experts

A rich set of themes anchor the research agenda of the Upstream Technology and Innovation advisory service

Industry technology and innovation trends	Oil and gas digitalization	Technology screenings
<p>Technology is increasingly a critical strategic element—technology intelligence is key for individual companies to assess how to position themselves</p> <ul style="list-style-type: none">– Documenting leading indicators (upstream R&D spending, patents, technology deployments, global R&D centers, technology adoption)– Tracking (new) sources of innovation (internal R&D focus areas, partnerships and alliances, corporate venture investments)– Analyzing upstream technology development and innovation strategies	<p>Leveraging real-time asset data, enhanced analytical tools, and remote operating practices are transforming how energy companies work and raise performance</p> <ul style="list-style-type: none">– Framing oil and gas digitalization within strategic and tactical contexts to accelerate adoption– Identifying key opportunity areas (e.g., asset classes, functional activities), outlining possible approaches, and quantifying potential benefits– Documenting best practices and hurdles (technical and organizational), realized value and detailed industry case studies	<p>While it's easy to get caught up in the hype of emerging innovations, it's more difficult to objectively assess their potential impacts by region and by resource class</p> <ul style="list-style-type: none">– Highlighting emerging E&P technologies that have large potential impact– Documenting deployment criteria, recent technical developments and tracking of implementation signposts– Quantifying impact, risks and costs by leveraging proprietary IHS Markit data to provide guidance on investment and deployment

Key benefits

Evaluate the impact of technologies on portfolios and potential investments:

- Strategic business insights drawing on proprietary frameworks and data resources
- Follow developing R&D strategies and investment focus areas for operators, oilfield services companies and other organizations in the energy space
- Track new technology adoption, deployment progress and criteria for success
- Understand the impact of digitalization and its practical application across the value chain

Learn from successful industry deployments and their challenges:

- Actual industry case studies developed by IHS Markit on-site
- Value documentation to quantify performance improvements
- Analysis of technical and organizational challenges and best practices for deployment

High quality engagement through workshops, client meetings and webinars:

- Discuss the latest research in a community of peers that fosters open dialogue, frank discussions, and new relationships
- Support to interpret what research means to you
- Explore directions for future research

Deliverables

Content

- In-depth reports of 8-12 research topics per year
- Headline Analyses of key events in the upstream technology landscape
- Over 6 multimedia webinar presentations
- Subjects selected based on member company interest
- Delivered through IHS Markit Connect in presentation, text report and spreadsheet format, updated periodically in different periods according to topic, region and market

Community and contact

- Annual Oil and Gas Technology Executive Summit at CERAWeek conference in Houston
- Bi-annual Oil and Gas Digitalization Member Workshops in London and Houston
- Recurring half-day workshops at global IHS Markit events
- Diverse membership base consisting of leading E&P firms, technology and service providers and government institutions
- Telephone and email access to global IHS Markit experts to address specific research questions and to review topics of interest
- Bi-annual 1-to-1 meetings with member companies (either on-site or via video-/tele-conference)

Related Products

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IHS Connect® brings together our industry analysis, in-depth market research, technical information and forecasts with robust analytic capabilities transforming complex, multi-dimensional information and analysis into actionable insights

Contact information

JAMES BLANCHARD Product Manager

T +44 (0) 1224 615074 | James.Blanchard@ihsmarkit.com

For more information www.ihsmarkit.com

CUSTOMER CARE

NORTH AND SOUTH AMERICA

T +1 800 447 2273

+1 303 858 6187 (Outside US/Canada)

EUROPE, MIDDLE EAST AND AFRICA

T +44 1344 328 300

ASIA PACIFIC

T +604 291 3600

E CustomerCare@ihsmarkit.com

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IHS Markit (NYSE: INFO) is a world leader in critical information, analytics and expertise to forge solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 business and government customers, including 80 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.