



Agenda



Industry trends

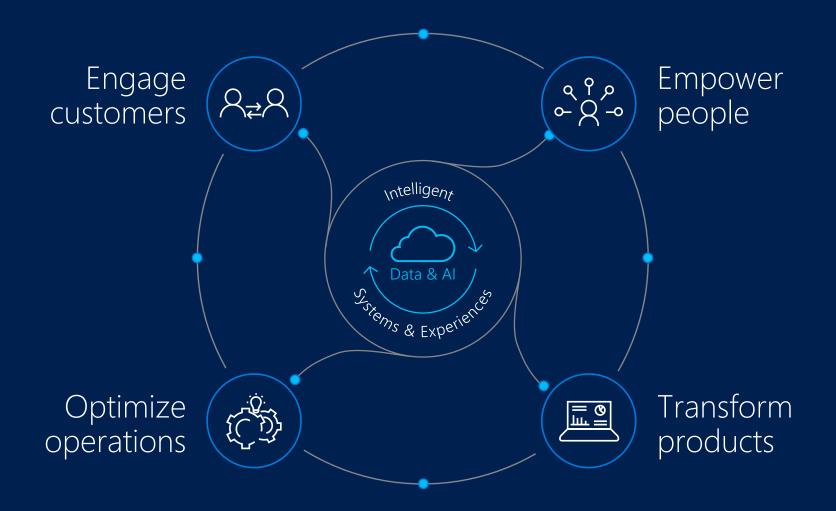


Digital transformation: The opportunity



Microsoft capabilities

Digital feedback loop



Across upstream digital hotspots

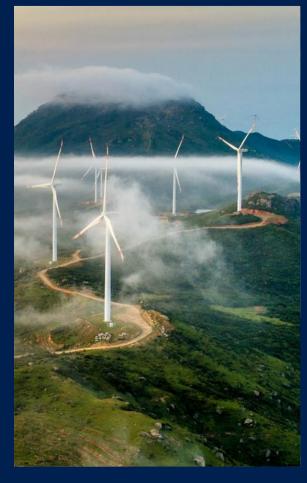
Midstream Upstream Intelligent reservoirs Well planning Energy and petroleum data lake Digitization platform Predictive lease management Deep learning for seismic Downhole intelligence Cognitive search Virtual geophysics Collaborative decision making Realtime reservoir models Smart grio **ENERGY USAGE** Adaptive **Control Center** Retail **Downstream** Digital asset integrity **Drilling optimization** Real-time hydrocarbon production • Drilling optimization • Al driven geo-steering management • Real-time drilling optimization Integrated production operations Automated field tickets • Predictive drill rig maintenance Asset performance

Vision & Strategy

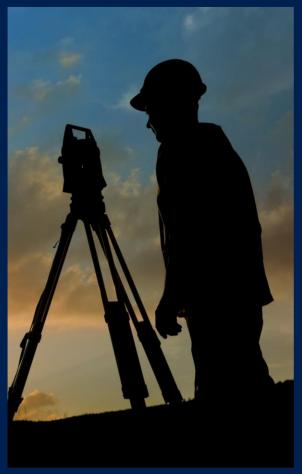
Culture

Unique Potential

Capabilities











Statoil to change name to Equinor

Equinor is a name that is forwardlooking, and creates a strong platform for engagement and dialogue with a broad set of stakeholders. We believe it will create internal alignment and pride, and help attract capital, partners and talents

- Senior Vice President for Corporate Communication, Equinor





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A culture that keeps teams connected, elastic, and invites change

Shell to enroll thousands in online artificial-intelligence training

Technology is moving so quickly that if you're not continually training your people, you're going to get out of date

— General Manager of Data Science
Shell







DNV GL launches industry data platform to unlock potential of big data

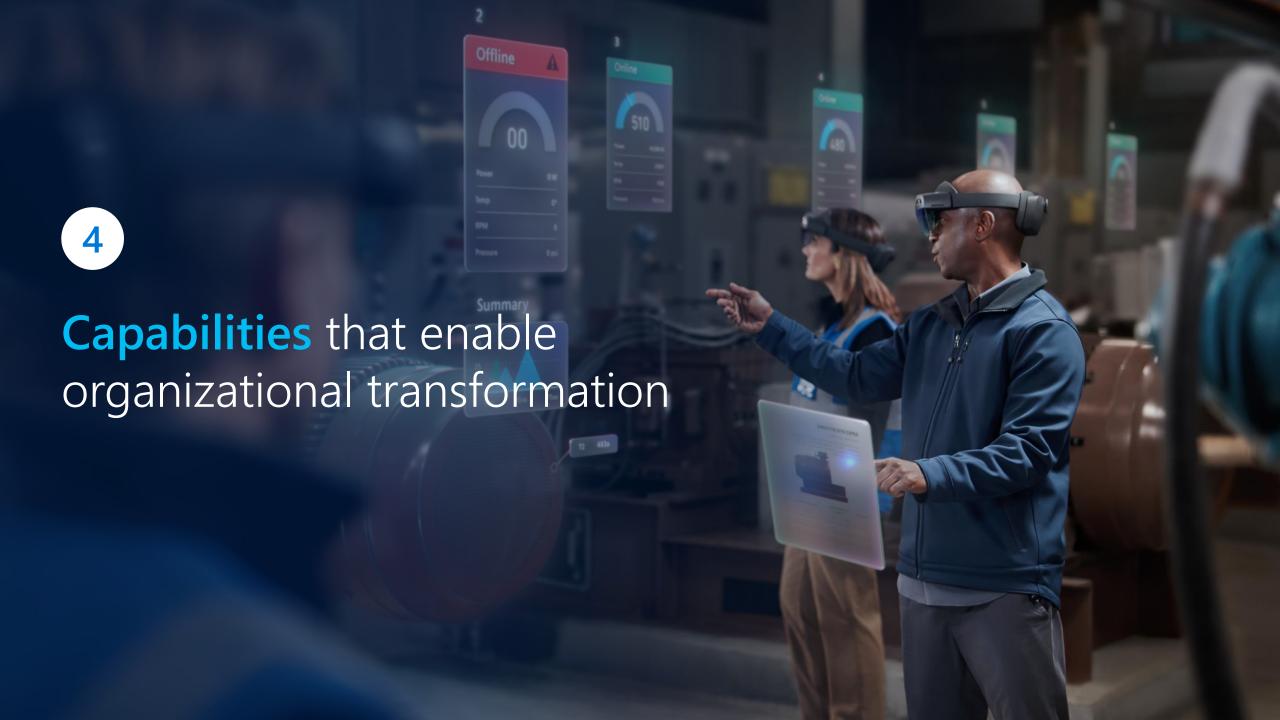
7.5

Companies have always turned to us for independent, expert assessments and best practices ... Now we are exercising this same role in the digital domain with our Veracity industry data platform, designed to help companies leverage the everincreasing amount of data from multiple sources.

- President & CEO, DNV GL







Igniting a low code revolution at Schlumberger

Microsoft Power Platform provides a low code environment to drive innovation at the edge of our business, enabling us to drive digital transformation at an enterprise level.

— **Digital Transformation Leader**, Schlumberger



Schlumberger

Tech intensity = (Tech adoption X Tech capability)^Trust

Microsoft in Energy



Microsoft Strategic Alliances









Microsoft helps BP unlock the power of its data to deliver actionable insights in support of their business Repsol signs an agreement with MS as part of its digitalization strategy

Chevron fuels digital transformation with new Microsoft partnership

Equinor partners with Microsoft for cloud services delivered from new cloud data centers in Norway

The agreement will see BP move advanced workloads to Azure out of existing corporate data centers as part of the company's modernization and transformation agenda.

Repsol will implement cloud computing-based technology developed by Microsoft, such as the hybrid cloud platform Azure, which will allow for scalability and ubiquity in both data storage and in processes.

Multi-year partnership establishes Microsoft Azure as Chevron's primary cloud and is part of Chevron's efforts to digitize its oil fields and accelerate deployment of new technologies that can increase revenues, reduce costs and improve the safety and reliability of operations. The partnership with Microsoft enables Equinor to shape and accelerate the development of fit for purpose IT services for the energy industry and secure a faster transition to the cloud.

Microsoft OSDU Program

























Schlumberger, Chevron and Microsoft announce collaboration to accelerate digital transformation

"

We believe this industry-first advancement will dramatically accelerate the speed with which we can analyze data to generate new exploration opportunities and bring prospects to development more quickly and with more certainty.

— EVP Technology, Projects and Services
Chevron





Microsoft Energy partners

HALLIBURTON

SIEMENS

Rockwell Automation



accenture



Bentley











Schneider Electric

















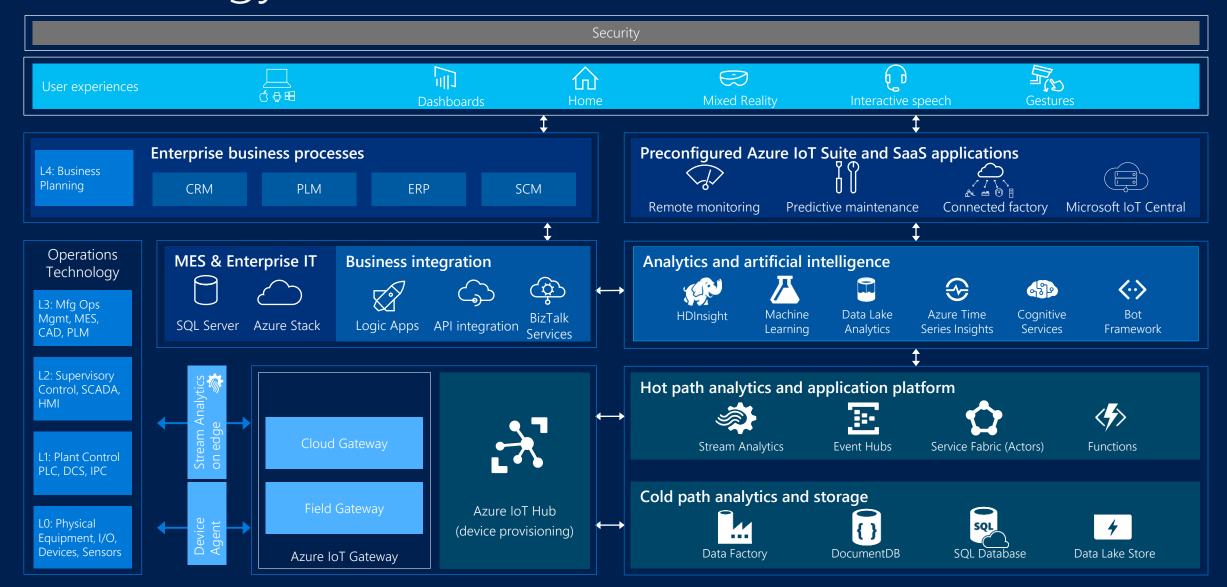


Technology Stack

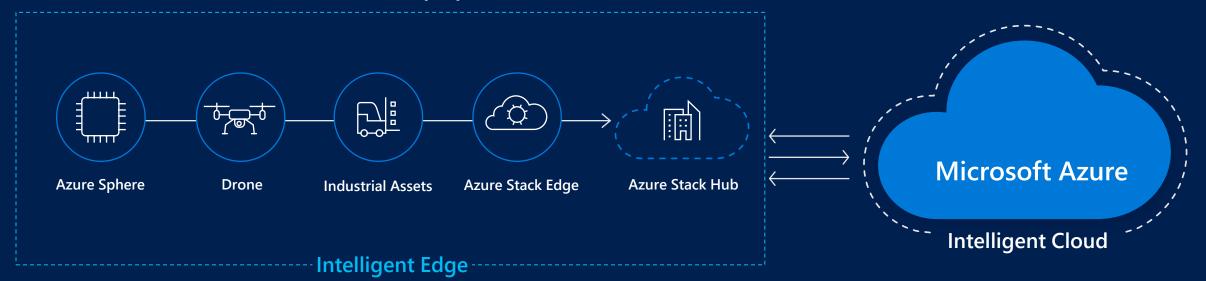
Mixed Reality, wearables, gestures, interactive speech, Cortana

Business applications, Microsoft 365, Dynamics 365 Advanced analytics, data, Artificial intelligence, Cognitive Services

Platform, infrastructure



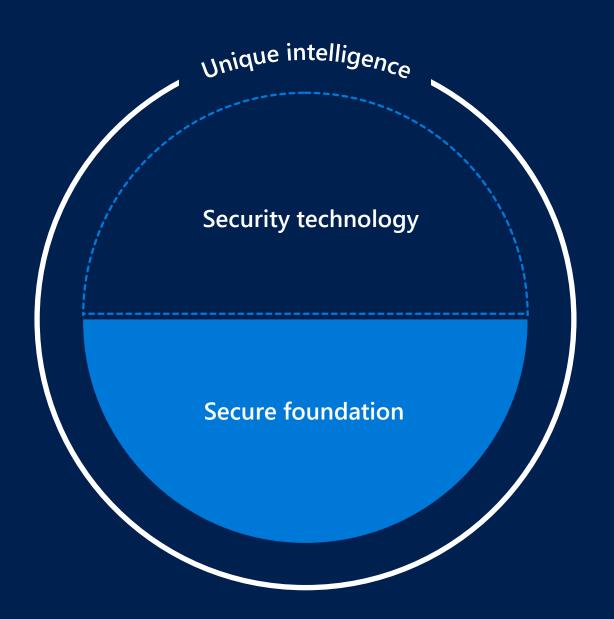
Microsoft Azure approach



Azure IoT Edge	Azure Services
← Azure Serverless — →	
← Azure Security Center →	
← Azure Active Directory ← → → → → ← → ← ← ← ← ← ← ← ← ← ← ← ←	
← Azure Management →	
← Artificial Intelligence →	

Unmatched security

- \$\ \$1B+ annual investments
- Over 3,500 security experts
- Trillions of diverse signals



Azure Al







Al apps & agents

Azure Bot Service Azure Cognitive Services **Machine learning**

Azure Databricks
Azure Machine
Learning
Azure Al infrastructure

Knowledge mining

Azure Cognitive Search

Microsoft recognized as leading Energy IoT Platform

Energy MarketScape



Strengths Identified

Strong momentum within the Industrial IoT sector

Extensive partnerships with IT and OT companies

Broad strategy to support edge computing that spans hardware and software

IDC MarketScape vendor analysis model is designed to provide an overview of the competitive fitness of ICT suppliers in a given market. The research methodology utilizes a rigorous scoring methodology based on both qualitative and quantitative criteria that results in a single graphical illustration of each vendor's position within a given market.

The Capabilities score measures vendor product, go-to-market and business execution in the short-term. The Strategy score measures alignment of vendor strategies with customer requirements in a 3-5-year timeframe. Vendor market share is represented by the size of the circles. Vendor year-over-year growth rate relative to the given market is indicated by a plus, neutral or minus next to the vendor name

Oil & Gas Value Chain

Operate for the future: Health & safety, Intelligent supply chain, connected assets & operations

Transition to clean:
Minimize emissions

Transform your workforce:

Digital field worker, skills enhancement, knowledge management & collaboration

Reimagine energy: Smart buildings & factories

Operate for the future: Health & safety, Intelligent supply chain,



Transform your workforce: Operate

Operate for the future: Health & safety, process & asset simulation Transition to clean: Minimize emissions, increase renewable generation



Operate for the future:

Health & safety, connected assets & operations, control center of the future



Transform your workforce:
Productivity & process
improvement

Exploration & Production

Digital field worker, productivity

& process improvement

- Sensors & IloT monitoring
- Satellite & drone detect and prevent fugitive emissions
- Seismic imaging to improve exploration
- Equipment optimization
- Carbon use for EOR

Midstream & Pipelines

- Drones for monitoring & inspection
- Computer vision sensors
- Low emission freight
- Equipment optimization
- Sensors and leakage detection

Downstream Refineries

- Sensors & IIoT monitoring
- Carbon Capture and storage
- Facility energy management
- Equipment optimization
- Connected worker technologies
- Facility management

Retail & Demand

- Energy usage analytics
- Sensors & IT
- Fleet management
- Facility management
- Vehicle efficiency





Thank you