

## **Digital Transformation** in the Oil & Gas sector

**Titiksha Mukherjee** Director & Sales Head - India, TietoEVRY



## The 'Digitalization' Reality



**\$1T** the value digitalization can create for oil and gas



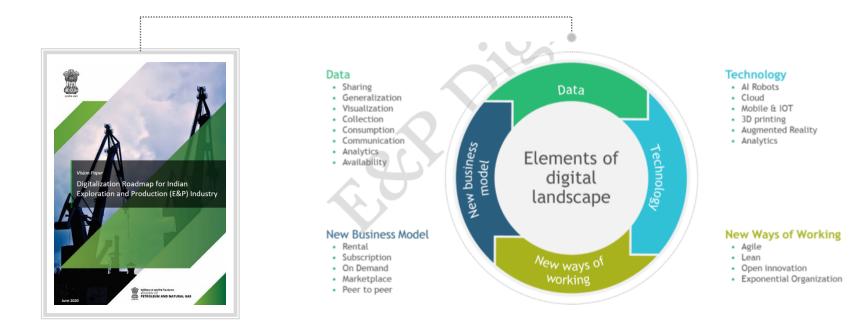
**50%** of skilled oil and gas workers will retire within 5 years



**78%** of Millennials are more effective with technology

Reference: World Economic Forum

#### **Digitalization Roadmap for India**



### This is TietoEVRY

50 years old leading IT company, headquartered in Helsinki

2018 THOMSON REUTERS TOP100 GLOBAL TECH LEADER





#### TietoEVRY Oil & Gas - in a nutshell



Our global footprints

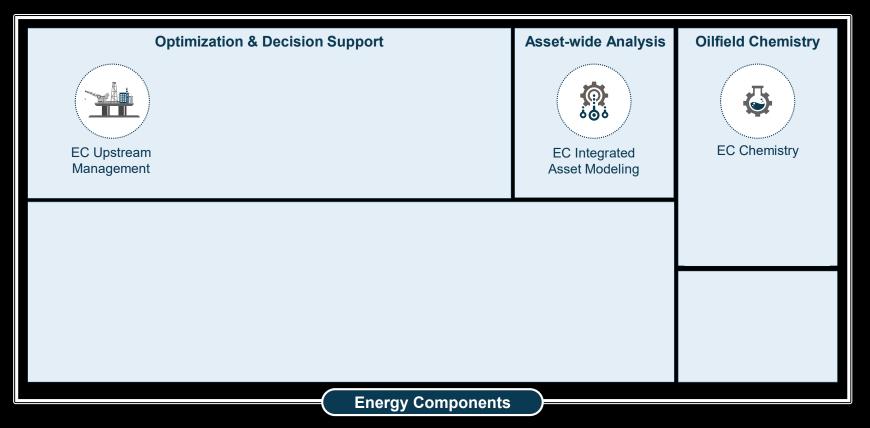
#### **Digitalization Roadmap for India**



4.3	Integrated field operations (Integrated view of the field performance from sub-surface, wells, surface networks and facilities)	4
4.4	Integrated Asset modelling in field development: Subsurface and surface digital twin	5
4.6	Well testing automation and data management	5
4.7	ML based prediction of well choking	5
4.8	Pipeline Integrity Management (leak detection and anomaly identification)	5
4.10	Artificial Lift performance surveillance and failure prediction	6
4.12	Predictive Maintenance of Pumps, Compressors, and other surface equipment	6
4.13	Full scale asset simulation on cloud	6
4.17	Reliability centered maintenance and asset performance management	7
4.18	Virtual cloning of physical asset using digital engineering twin	7

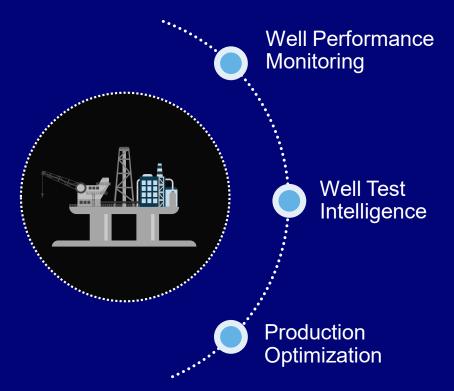
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#### TietoEVRY's HCM solution

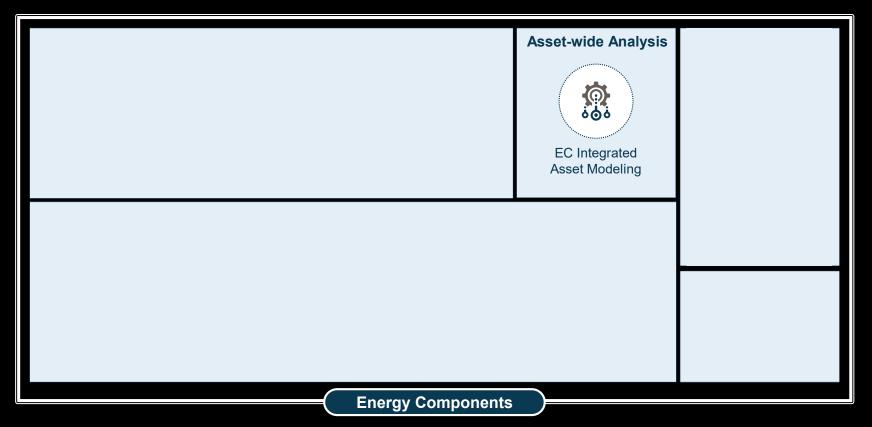


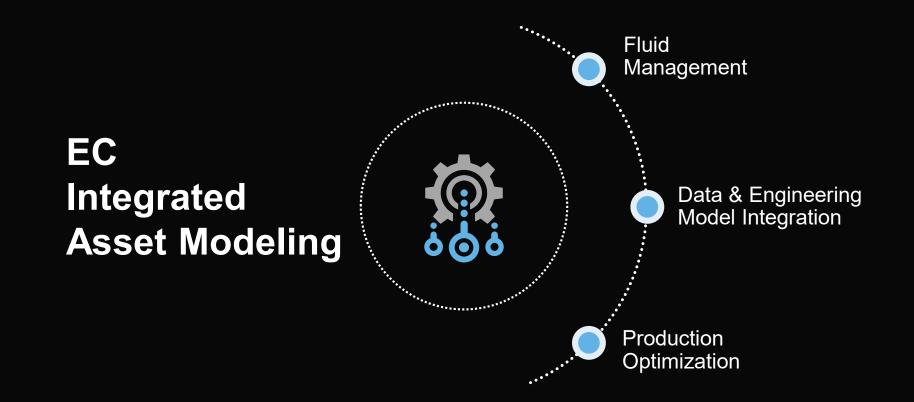
## EC Upstream Management

Leverage EC data to increase asset profitability

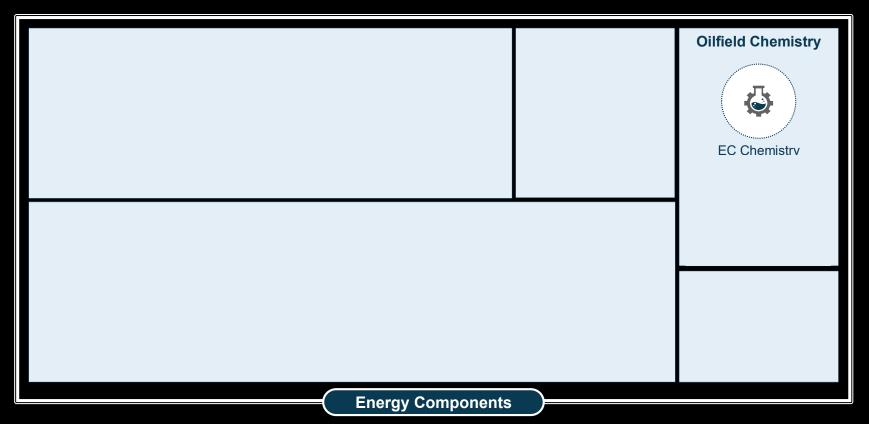


#### TietoEVRY's HCM solution





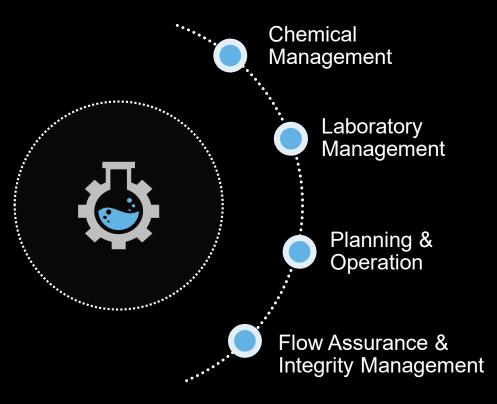
#### **TietoEVRY's HCM solution**



## EC Chemistry 1.0.0

## Improved cost-effectiveness with smart chemical management

- $\circ~$  Optimize chemical usage and spend
- Reduce operational cost with smarter chemical management
- More effective data management with automated processes
- Improve day-to-day chemical management through informed decisions







#### **Environmental Management**

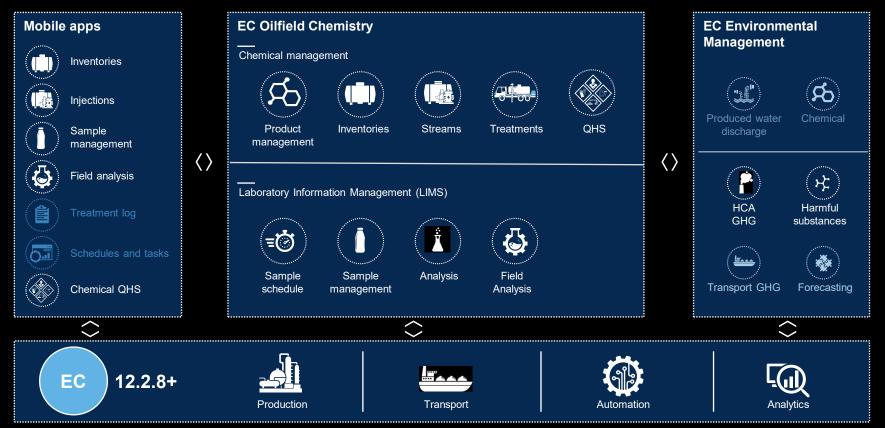
02 03 01 Keep in compliance with Automate and ensure and reducing discharge emission tracking from compliance with environmental regulatory reporting at

minimum effort

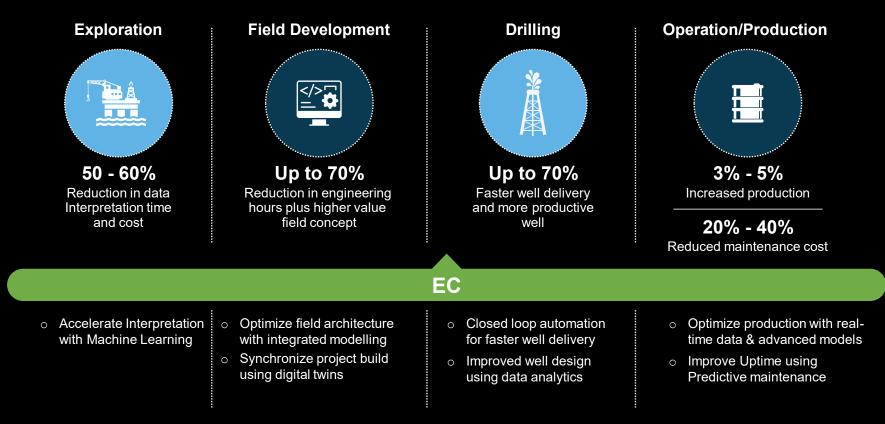
Provide tools for monitoring from oil and gas production to the environment

measured data and modelling

## **EC Oilfield Chemistry & Environmental Management**



#### **Unlock EC for digital Upstream activities**



#### **Our credentials**



Your partner in realizing the full Business Potential of HCM

Energy Components (EC) Your Digital Twin

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Scan QR Code for a Deep-dive

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