

MAY 18, 2022

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# Enterprise Visualization Platform Enables a More Comprehensive Approach to Asset Performance Management

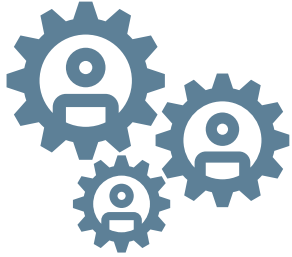
KK Chong , Schlumberger

Vishal Mahna, AVEVA

**AVEVA**

- Schlumberger at a glance
- Business opportunity
- Solution and implementation
- Value proposition
- Summary

# Schlumberger



**86,000** Employees



**160** Nationalities



Expertise in **120** countries



**12,700+** Active patents worldwide

## What We Do

### Digital & Integration

- Exploration data
- Software integrated solutions
- Asset performance solutions

### Reservoir Performance

- Wireline, testing services
- Well stimulation, slickline
- Coiled tubing services

### Well Construction

- Drilling and measurements, drill bits, drilling tools, drilling fluids, cementing
- Integrated drilling services
- Pressure control equipment

### Production Systems

- Artificial lift, surface systems
- Valves and process systems
- Completions equipment
- OneSubsea, production facilities

# Technology Life Cycle Management

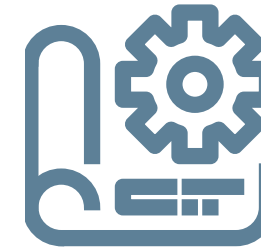
Schlumberger



Comprises **12%** of overall Schlumberger workforce



Manages the life cycle and readiness of **800k+** assets



Processes/actions **2M+** work orders in more than **300** facilities

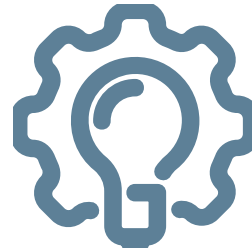
# Business Opportunity

Schlumberger



## Challenge

- Broad technology portfolio
- Discrete digital solutions
- Data and workflows lacked unification
- Difficult to scale up
- Collaborations limited by infrastructure



## Solution

- Enterprise visualization platform
- User interface/user experience (UI/UX) design
- Scalable digital infrastructure



## Benefits

- Agile decision making
- Improve asset reliability
- Faster asset turnaround time
- Lower cost of service delivery

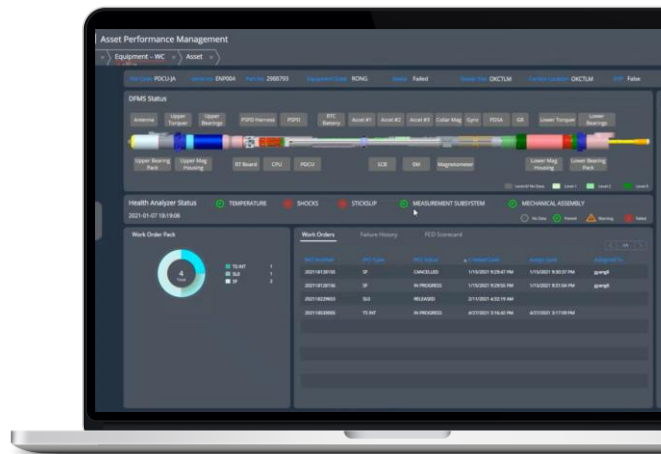
# Enterprise Visualization Platform

From distributed data to contextual insights to optimal decisions

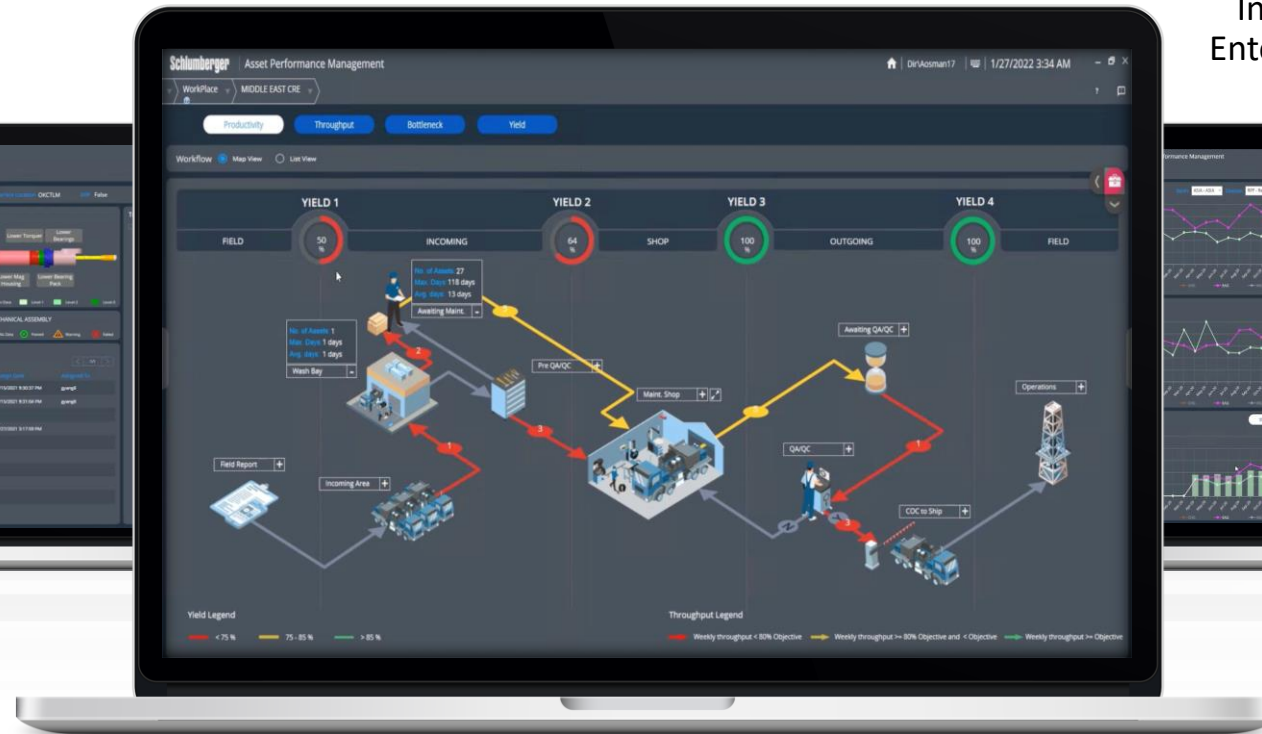
Connects equipment,  
workshop, and workforce

Integrates data  
and workflows

Incorporates AVEVA  
Enterprise Visualization



Equipment



Workplace



Workforce



# Solutions Evolution

**L1** – Gather all enterprise data necessary to enable the workflows

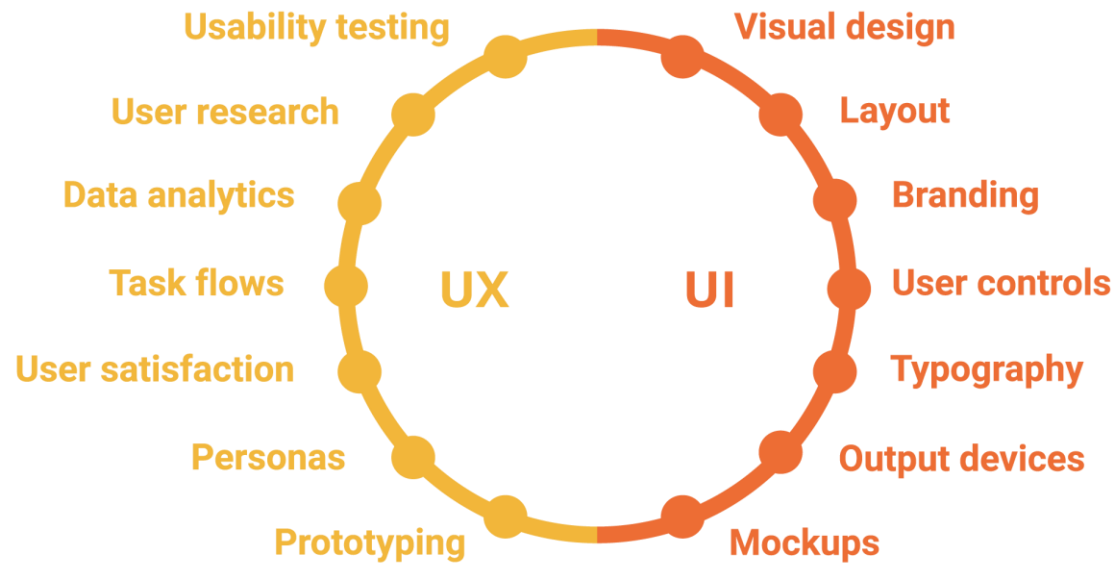
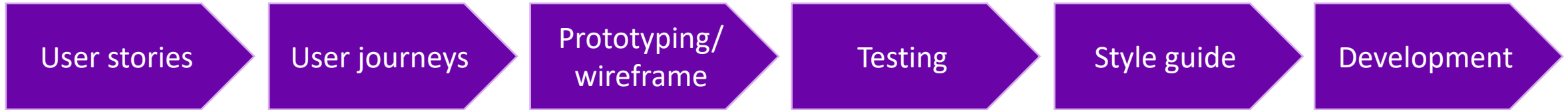
**L2** – Process the data and present to user within the context of an activity

**L3** – User performs analysis to decide best course of action

**L4** – System minimizes analysis needed by user, recommending instead the best course of action

**L5** – System implements actions automatically, relying on user to manage exceptional situations

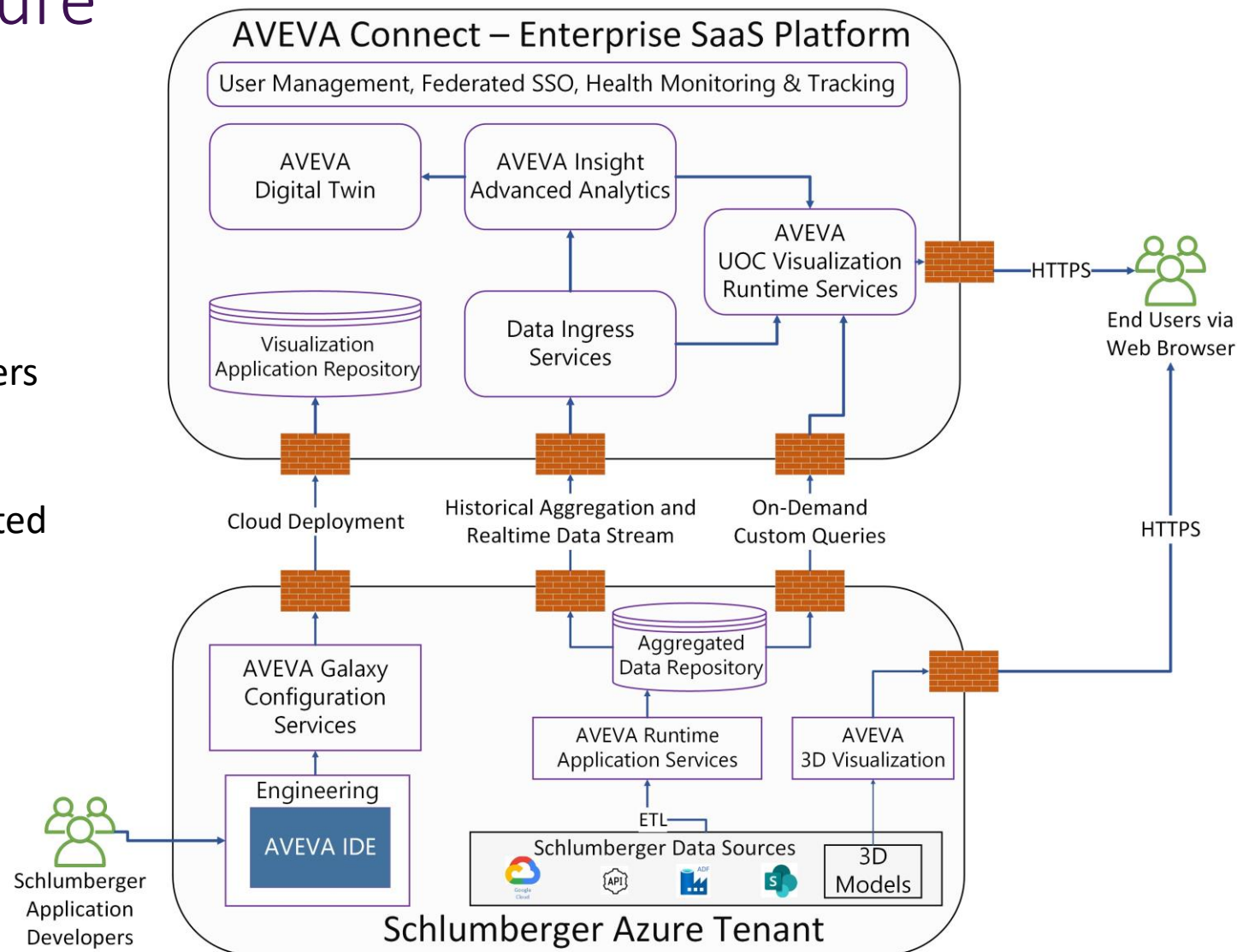
# UI/UX for Enterprise Visualization





# Scalable Digital Infrastructure

- AVEVA UOC – Cloud-Native Visualization
- Web-Native Client Application supports Browsers and Mobile
- Realtime aggregation of 100+ data sources
- Critical, timely information delivered via patented context system



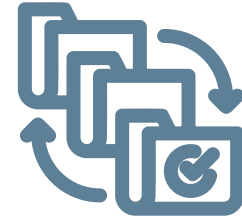
# Implementation



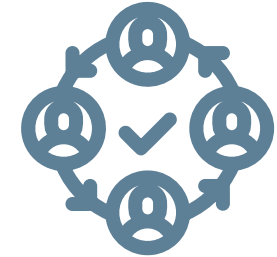
**Design:** Agile



**Deployment:** Phased



**Refinement:** Continuous



**Governance:** Sustained



**Unique approach:** Partnership

# Value Proposition

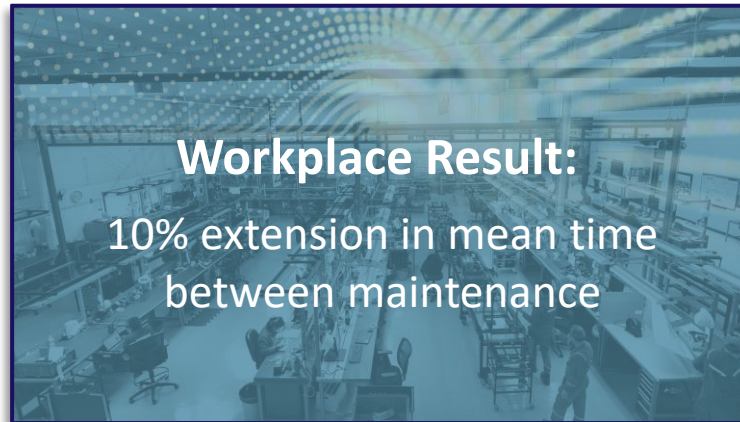
## Location

One of the largest unconventional gas development projects in the Middle East



## Challenge

Increase the number of stimulation stages to optimize production



## Business outcomes

Higher productive time for both asset and wellsite



*“With the insights, we are able to highlight yields, identify the current and future bottlenecks, and understand the live throughput of each step in the workflows.”*

Eric Xu Junwei, Division Digital Implementation Manager



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Head of Asset Performance Management

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#### ABOUT AVEVA

AVEVA is a global leader in industrial software, driving digital transformation and sustainability. By connecting the power of information and artificial intelligence with human insight, AVEVA enables teams to use their data to unlock new value. We call this Performance Intelligence. AVEVA's comprehensive portfolio enables more than 20,000 industrial enterprises to engineer smarter, operate better and drive sustainable efficiency. AVEVA supports customers through a trusted ecosystem that includes 5,500 partners and 5,700 certified developers around the world. The company is headquartered in Cambridge, UK, with over 6,500 employees and 90 offices in over 40 countries.

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