

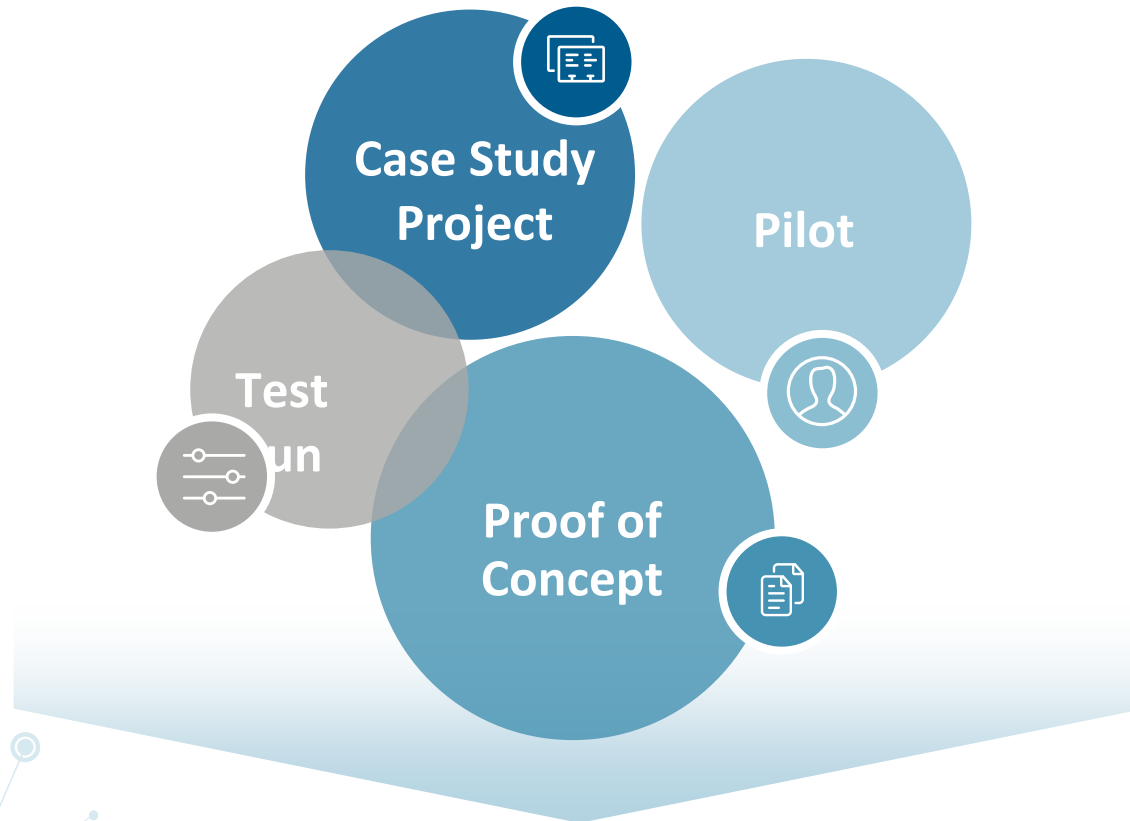
How to enable data analytics at scale within oil&gas



Trygve Karper & Thierry Laupretre
FORCE 2018



What we hear when asking about digitalization?



Where are the large scale operationalization projects?

A world of data silos

Oil Services provider

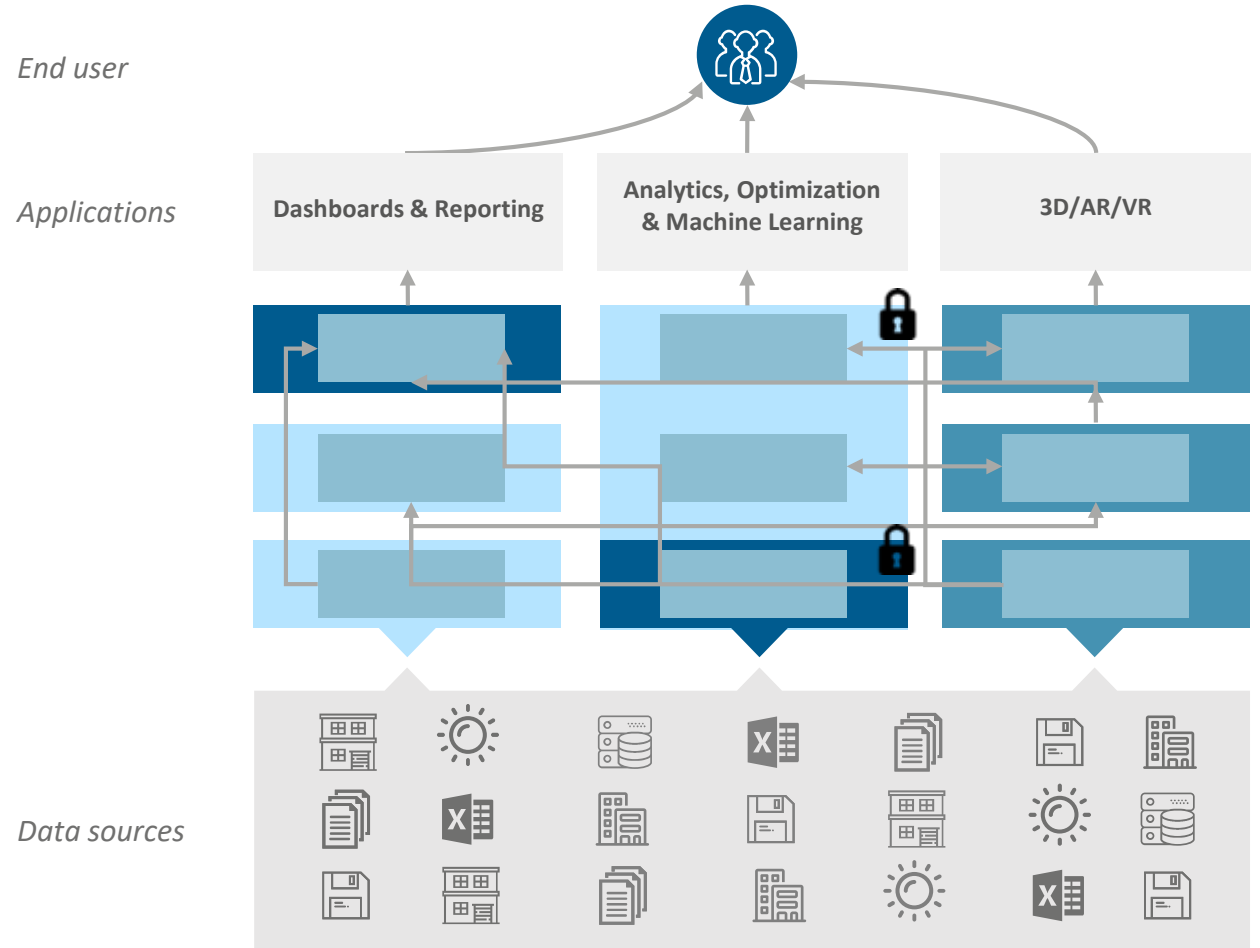
- 100 operational data systems
- 4,800 active integrations

500 connections rebuilt every year



Large O&G Operator

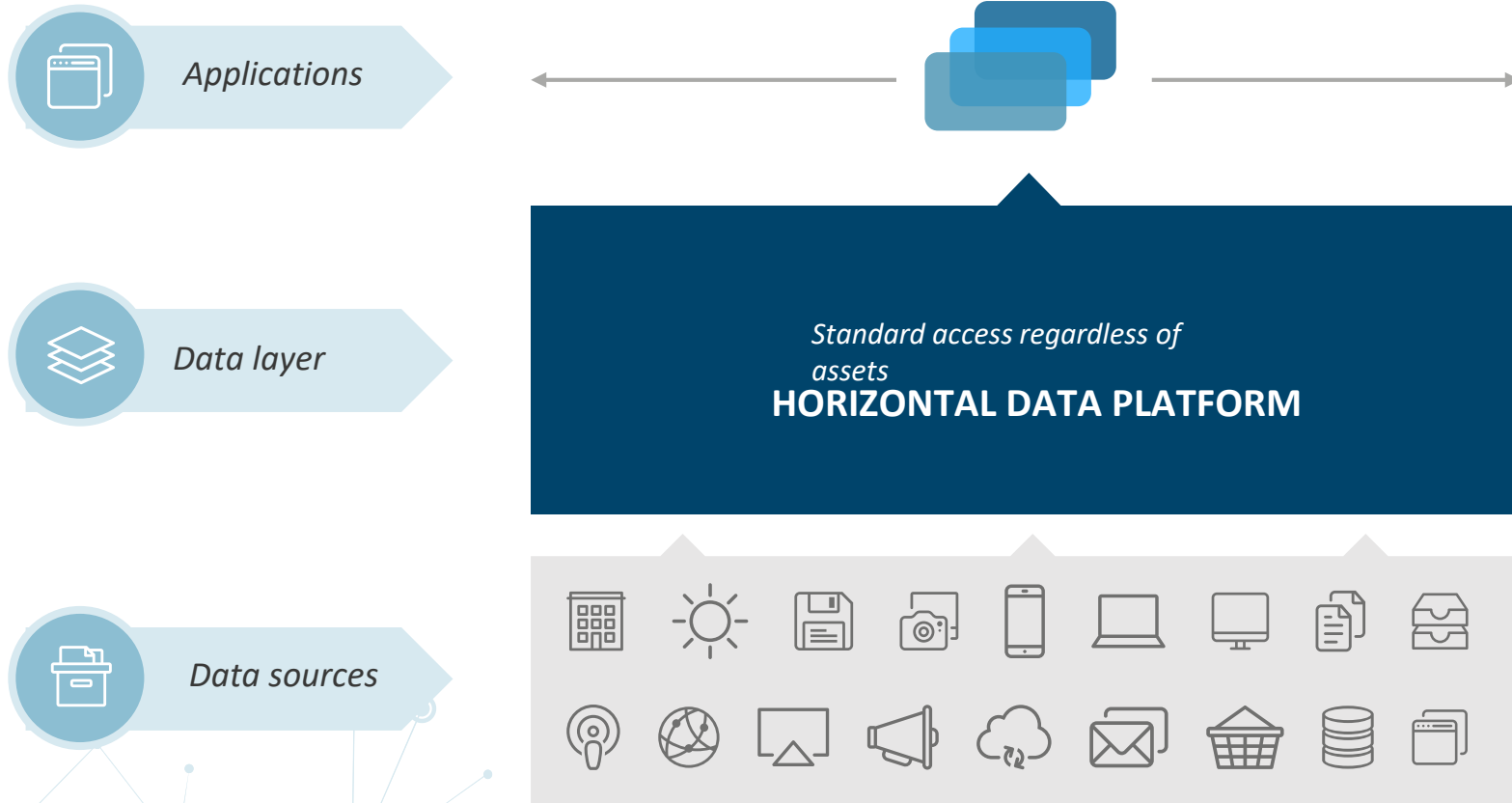
- Less than 60% of 4M sensor IDs can be mapped to equipment
- Backfilling of historical data impossible at scale



1

Break the silos

An open, uniform way to access all industrial data



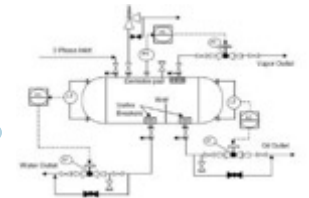
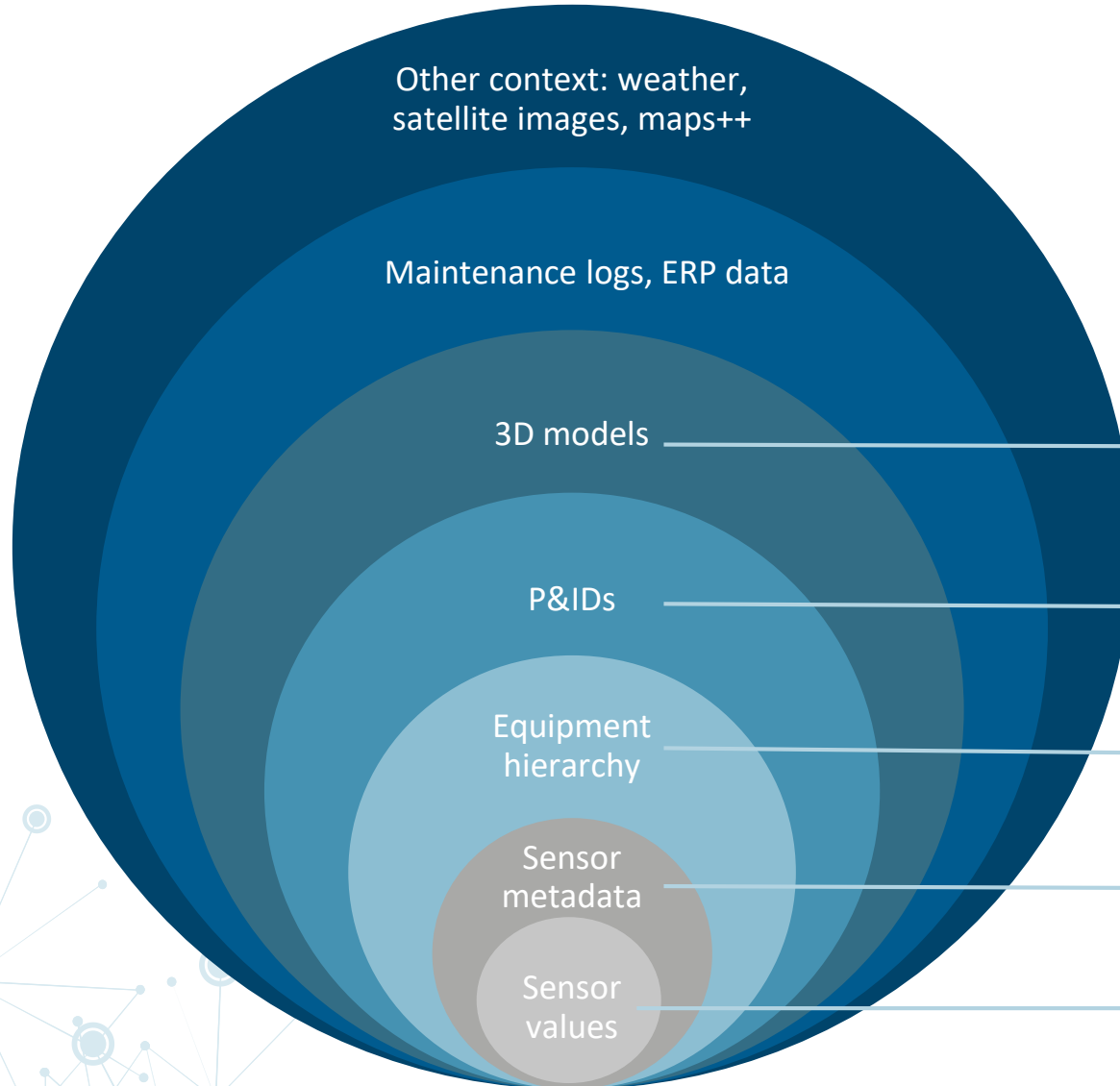
2 Contextualize the data to be able to extract insights



100,000 sensor tags

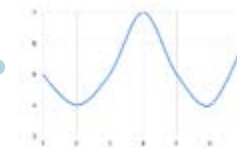


Operational data in 50+ applications

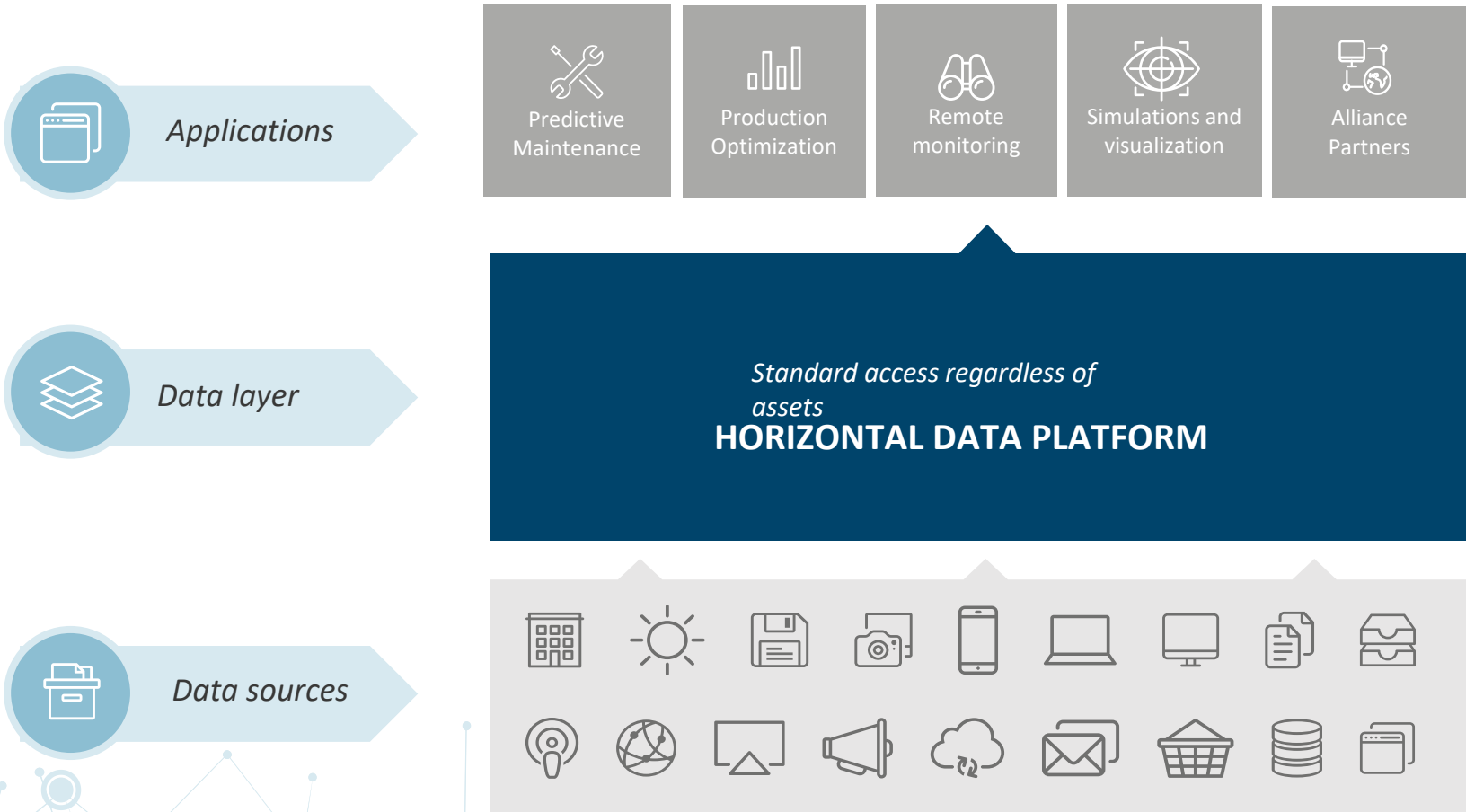


Type	Compressor
Manufacturer	WILCO
S/N	89267000123

Bar, C, F, Hz



3 Enable a thriving, operational application ecosystem



GE

FRAMO
an Alfa Laval brand

KARSTEN MOHOLT

SOLUTIONS FOR ENERGY

ARUNDO

Honeywell

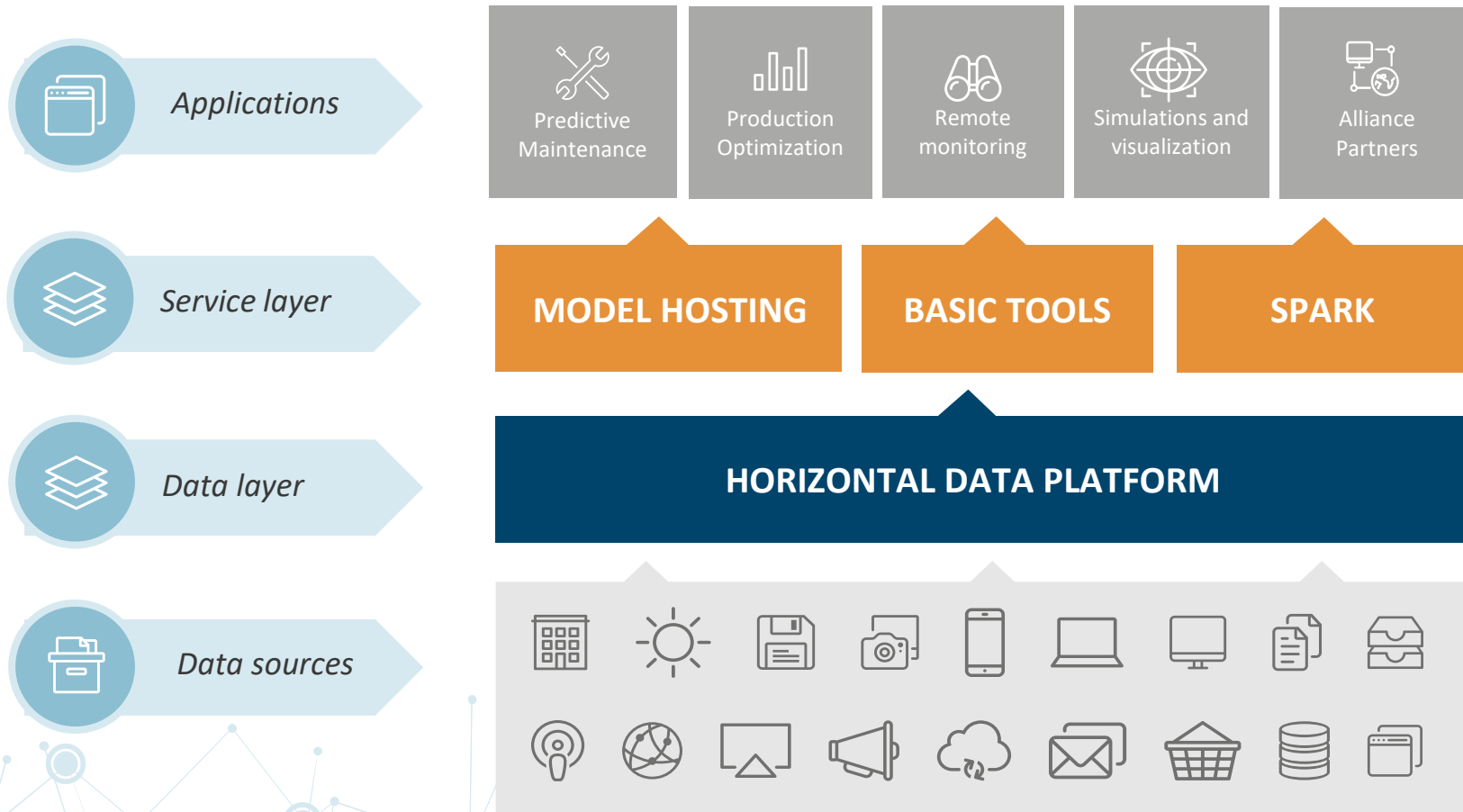
SIEMENS

inprocess

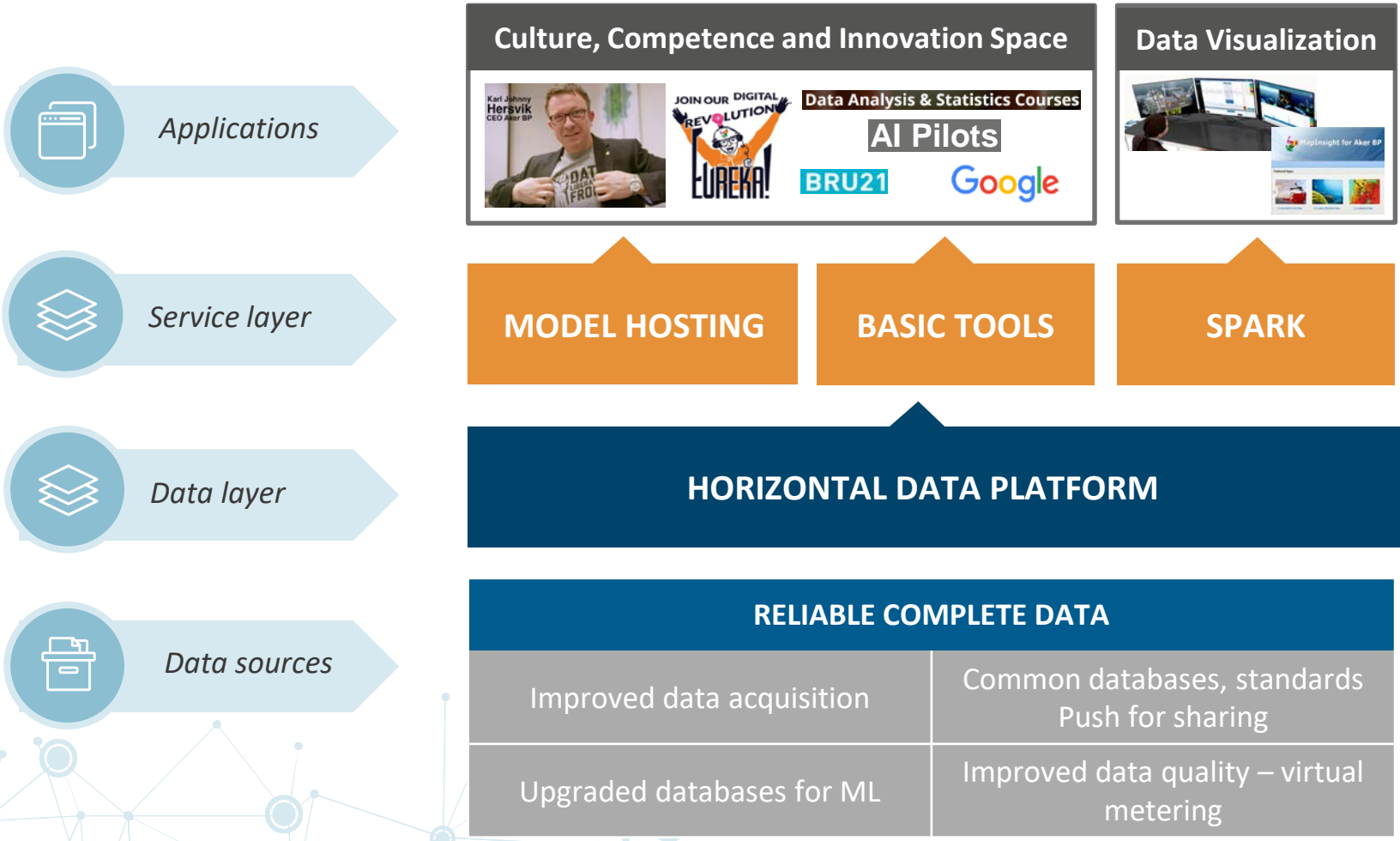
SINTEF

4

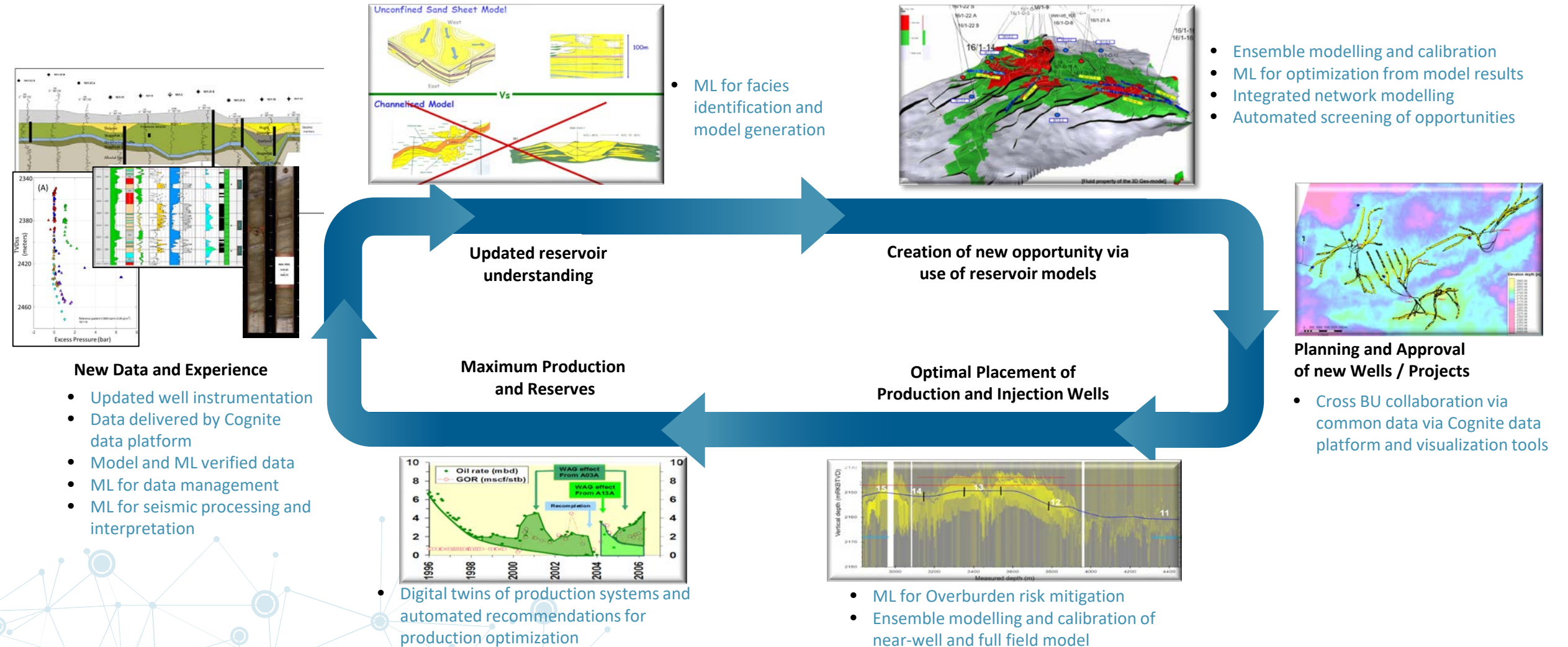
Enable rapid development and deployment of analytics



5 Enable active use and value creation in Aker BP



Example of solutions for Reservoir Development



The natural focus of use cases will change as digital maturity progresses

Use case complexity gradually increases over time

