OSIsoft IIOT summitt

Advanced Analytics, and Big Data Summit

JW Marriott – Galleria

«Delivering Business Value with IIOT and Advanced Analytics with MAXTM»

Hege Kverneland, Corporate VP & CTO

Houston, 12th of October 2016







We are a global family

We are thousands of individuals, working as one team to create lasting impact for our customers, ourselves and the communities where we live and work. We take responsibility for each other and our company's future, knowing that personal ownership leads to broader success.





What do we do?



Closed loop control system...



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What do we do?



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4th Industrial Revolution



1st

Mechanization, water power, steam power



2nd

Mass production, assembly line, electricity



3rd

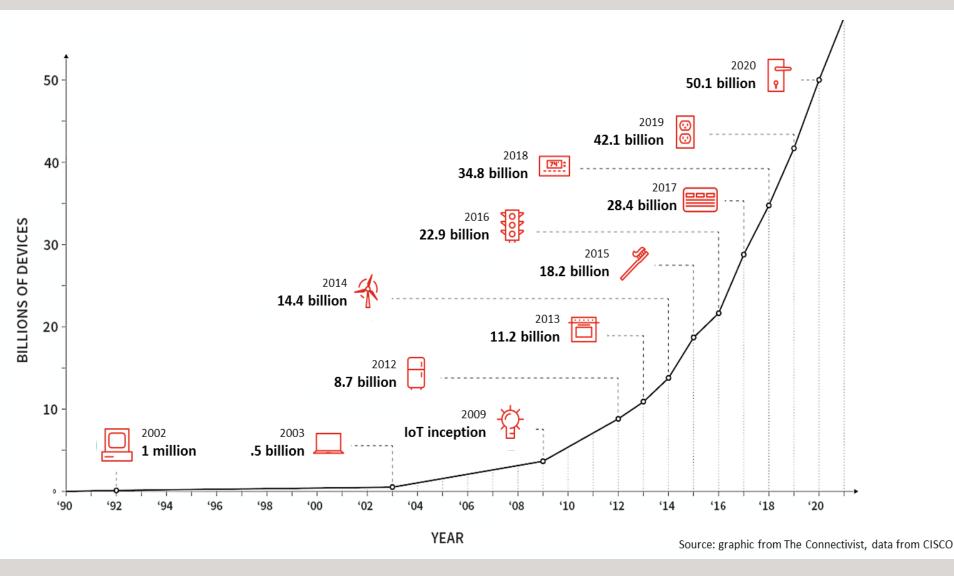
Computer and automation



4th

Cyber Physical Systems

Internet of Things (IoT)



Our software capabilities...



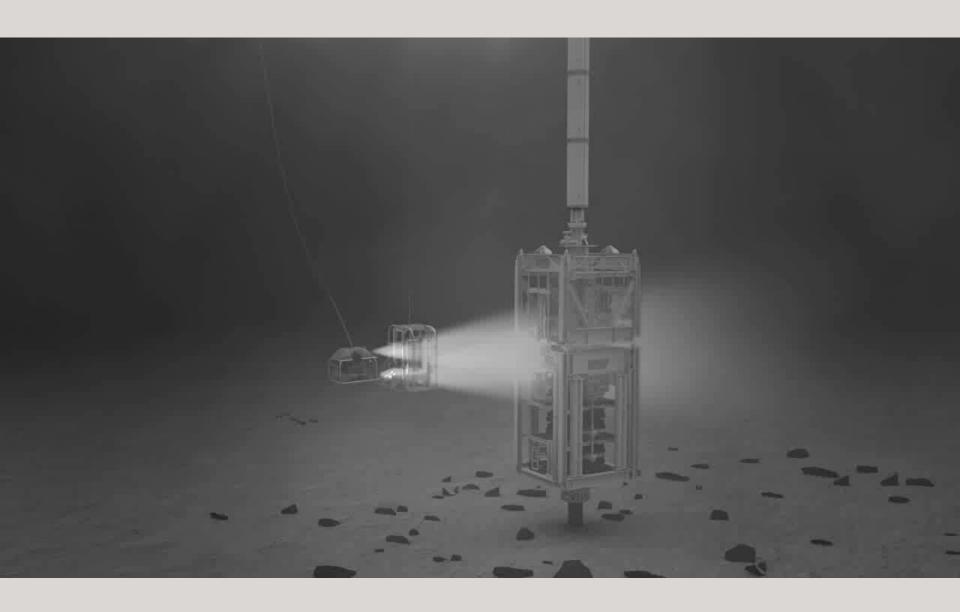
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Blow Out Preventer (BOP)



Subsea BOP – Retrivable Pods



Cost of rig ownership

DAY RATE IN 2013

\$600K



DAY RATE IN 2016

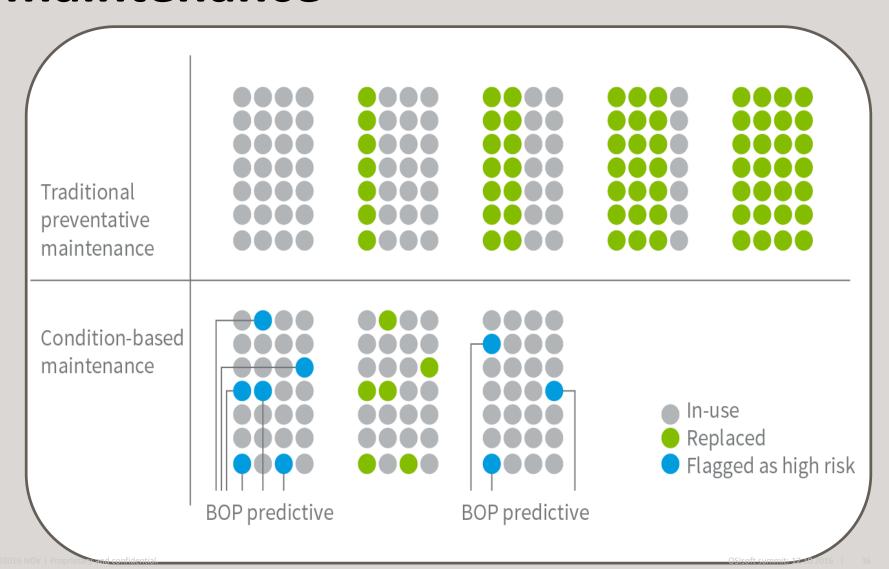
\$280K

Annual Offshore Rig Maintenance Cost

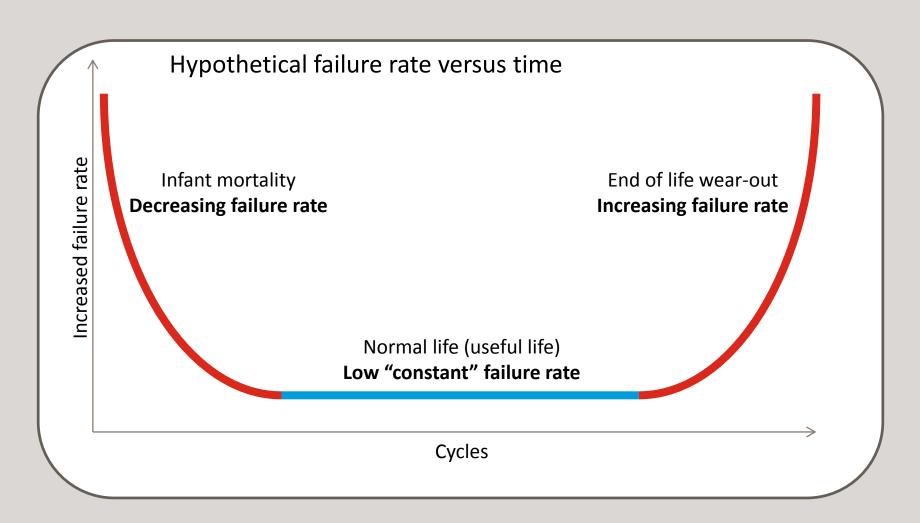
\$15M



Traditional v. condition-based maintenance



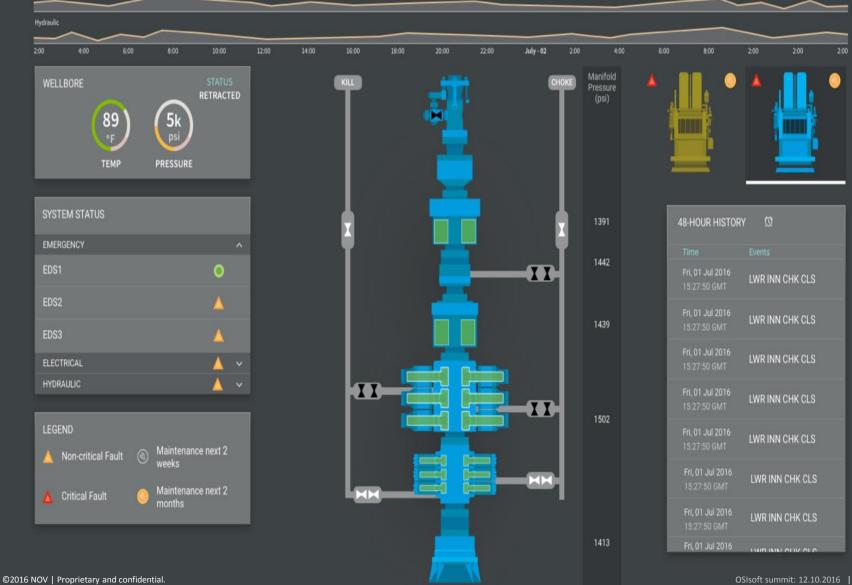
Condition-based maintenance: The bathtub curve



Our first breakthrough

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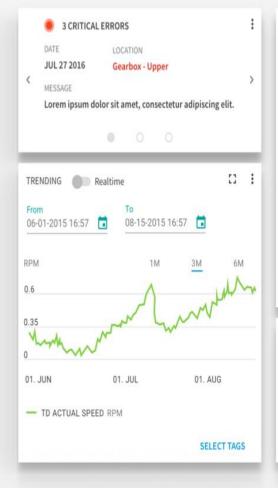
RigSentry for BOP



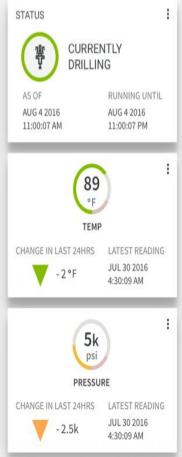
Coming soon, RigSentry for...

RigSENTRY TOP DRIVE TDX-1250











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RigSentry™



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