



INDUSTRY X.0

# BOP

Digital.  
Smart.  
Connected.

## CONTACT INFORMATION

# SPEAKER



INDUSTRY X.0 is the Digital Reinvention of Industry, where businesses use advanced digital technologies to transform their core operations, their worker and customer experiences and ultimately their business models.

Zev Arnold is an executive in Accenture's Industry X.0 Practice and a Operational Technology (OT) practitioner. He has partnered with his clients to make improvements in operational performance and integrity, and helped secure their license to operate.

Zev specializes in OT infrastructure and analytics, working with the Integrated Operations initiatives of several multinational Oil & Gas operating companies.

Responsibilities have included project management, business analysis, solution design and development, systems architecture, and program leadership. In addition, he has provided thought leadership in OT enterprise infrastructure and technology through industry conference presentations, communities of practice, and project engagements.

**ZEV ARNOLD**

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CONSULTING

ACCENTURE, LLP

## BOP OPERATIONAL IMPACTS...

“ A critical safety system, a major cost in wells delivery, the leading cause of rig non-productive time, and a complex system to troubleshoot.

”



- How should the BOP be operated to minimize risk?
- How frequently should we test the BOP?
- How can we demonstrate operational readiness?
- Can we keep drilling considering BOP condition?

**... KEY QUESTIONS**

## REMOTE CERTIFICATION



Reduce Offshore Trips

Lower Surveying Costs

## SITUATION AWARENESS



Drilling Supers

Regulatory Oversight

Surveyors

## FAILURE DETECTION



Leaks

Valve Failures

Preventer Degradation

## CONDITION TRACKING



Cycle Counting

Environment Exposure

Operational Time

## OPERATIONAL GUIDANCE



Function Selection

Testing

Maintenance

descriptive

diagnostic

predictive

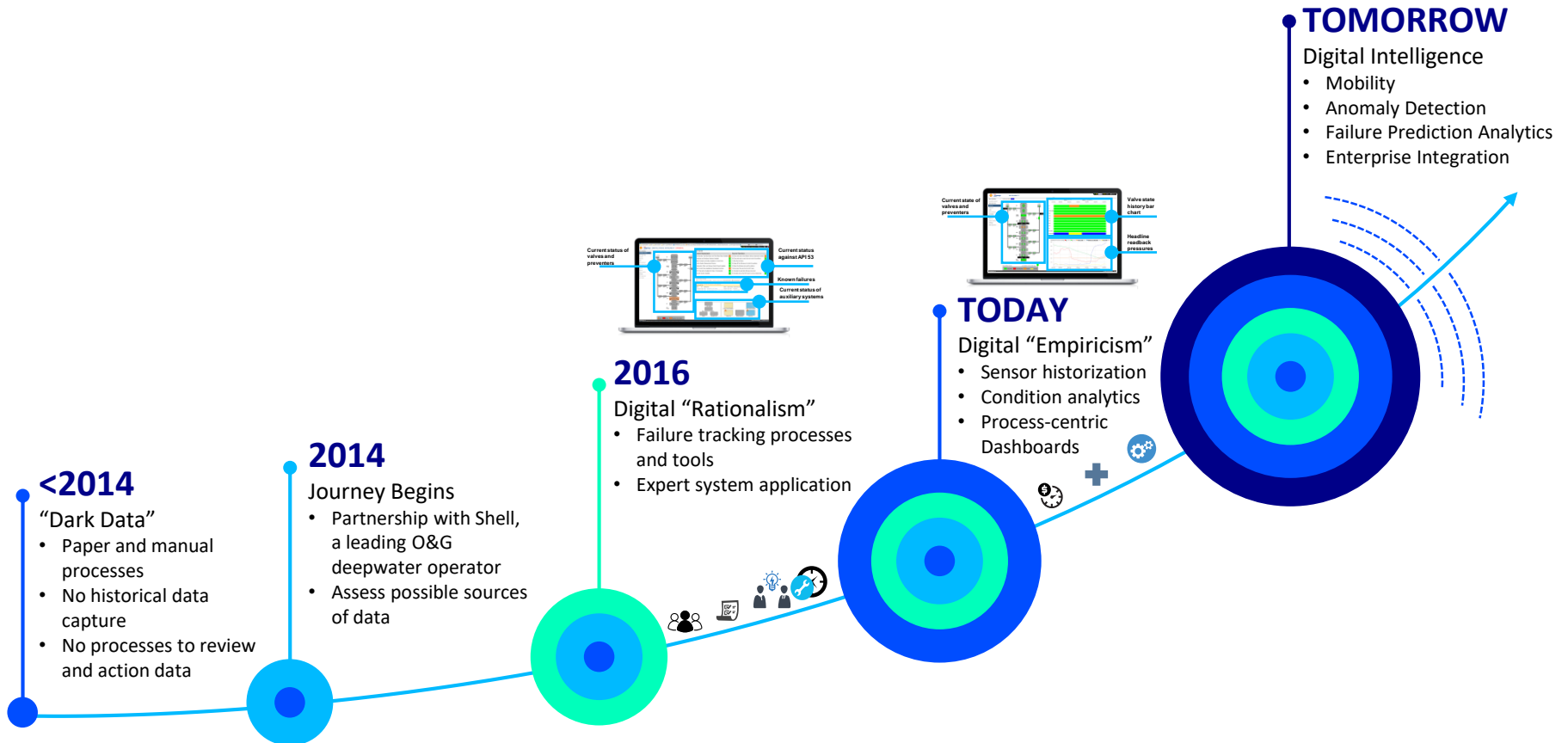
prescriptive

# OPPORTUNITIES IN DIGITAL BLOWOUT PREVENTER

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# DIGITAL IS A JOURNEY



Thank you  
Q&A

