Digital Transformation in the Process Industries: An Ongoing Journey

Osvaldo Bascur Academia & Industry Innovation Principal

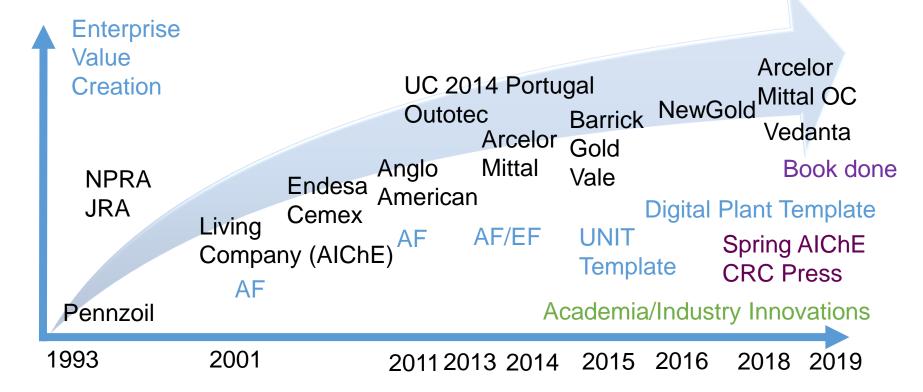


Agenda

- Challenges in the IT/OT World
 - Silos of data divergent silos of business processes
 - Cultural transformation
- The Digital Transformation Journey
- It works! Success Stories
- Conclusion

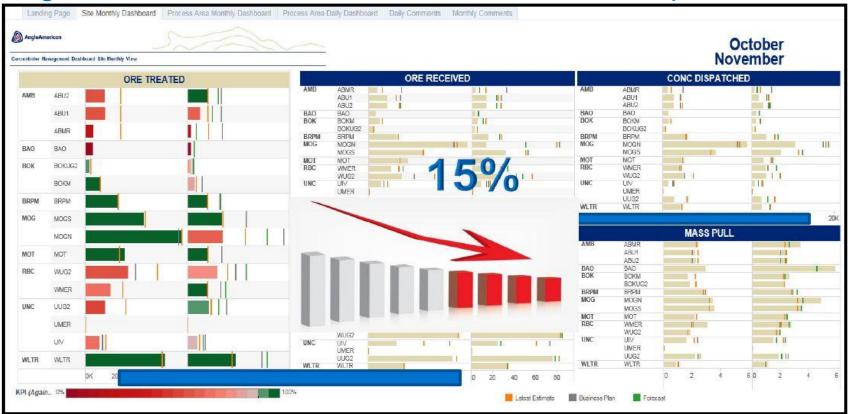


A Journey Towards a Digital Transformation



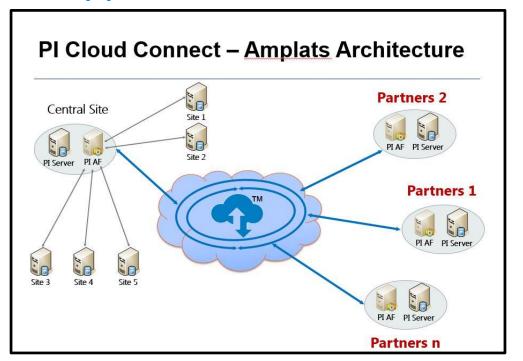


AngloAmerican Platinum - 15% Power Consumption



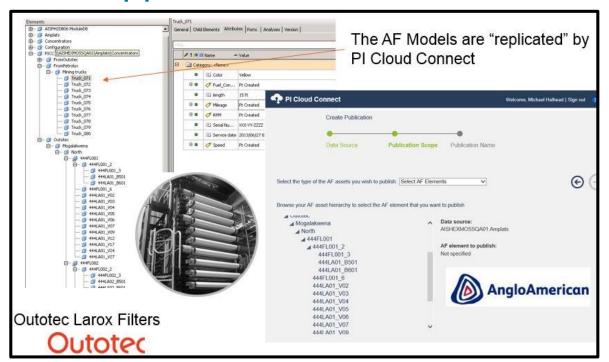


Anglo American Platinum and Outotec – Connected Support 24/7



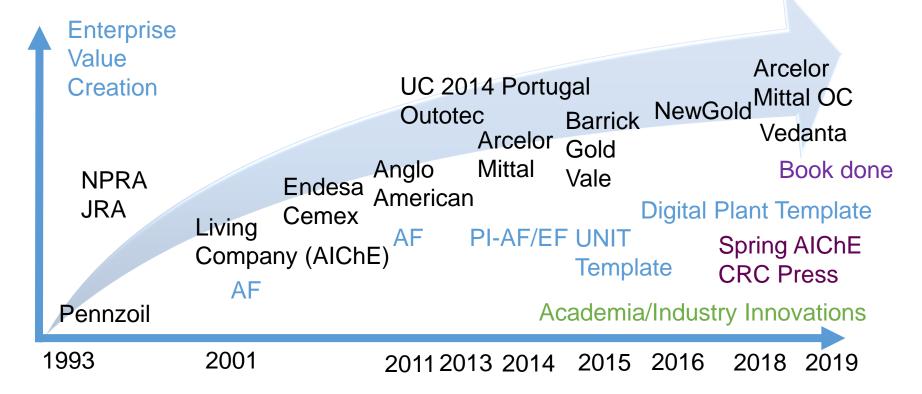


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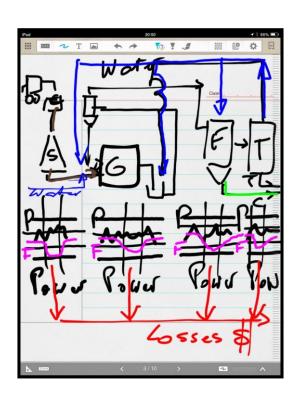


A Journey Towards a Digital Transformation





Vedanta Zinc - From Concept to Reality







Adapting an organization's strategy and structure to capture opportunities by Digital Technology

Data is your Enterprise Strategic Asset

History of Production is your Unknown Asset

Value Creation using Asset/Event Framing Template

Technology: Big Data, Al and Predictive Analytics Tools

Business Processes: Elimination of Work Silos

People: Cultural Transformation

NEORMATION TECHNOLOGY







Transformation in the Process Industries

Digital Transformation in the Process Industries

An Ongoing Journey



Conclusion

- Digital Transformation brings greater tangible and intangible value to the Process Industries
- People, Business Process and Technology need to work and evolve together to capture the promised value
- By applying a Strategic Implementation, a Data Infrastructure, and a Cookie Cutter Approach: Operational Excellence is possible.



DEMO Meet me in the booth outside during breaks



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AČIŪ SALAMAT MAHALO IĀ 'OE TAKK SKAL DU HA

GRAZZI PAKKA PÉR PAXMAT CAFA

ありがとうございました
SIPAS JI WERE TERIMA KASIH
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СИПОС



Questions?

Please wait for the **microphone**

State your name & company

Please remember to...

Complete Survey!

Navigate to this session in mobile agenda for survey





Adding Value through Operation Pl Server's Asset Framework Pl Server's Asset Framework

2013:

Oven inspections

· Standardization of metrics begins

developed

Intelligence

Integrated Solution



2014:

- · Operations BI pilot
- Oven Health Index developed
- Oven analytics established (XLS)
- HRSG boiler equations developed (PE)

2015:

- Operations BI roll-out
- Asset Analytics introduced
- PI Central Monitoring kickoff
- Further analytics development

Asset Evaluation

Operations BI



- SunCoke signs EA agreement
- First Asset Framework structure built
- · PI Coresight introduced
- User community blooms

1993 Pennzoil

- Metrics as a social exercise
- Continuous Improvement initiated
- PI DataLink becomes "king"
- · Limited user base

Providing Data Infrastructure

Laying the Foundation and Finding a Vision

