EMPOWER YOUR ANALYTICS WITH OPERATIONAL DATA

The Story of OSIsoft PI System

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Contact Energy

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The story of OSIsoft PI System

Hema Pericherla & Mark Utley

OSIsoft PI System is most widely used source of information across Contact!

the boat..

2013 | Multiple Sensors | Connected Data

Secure and Stable Network

CSSIE Standards and Zoning

Creating real-time insights

Self-serve dashboards and
integration capabilities

2019 | 18 PI Vision Screens | 100s Dashboards
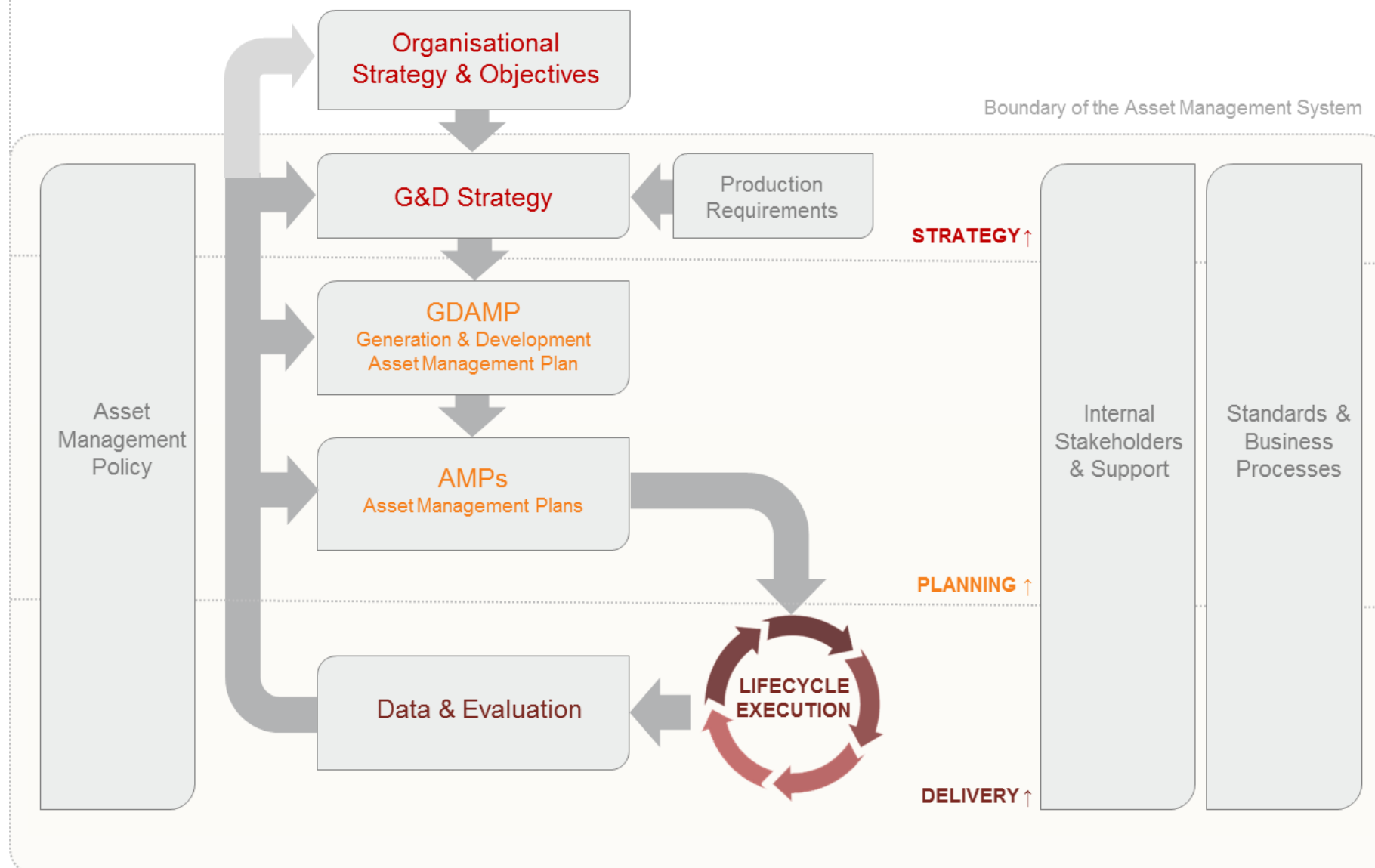
\# IoT

\# PI – PI links

Validate Insights

Data Science enablement, edge
to cloud and remote monitoring

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Managing our Assets - the raft..
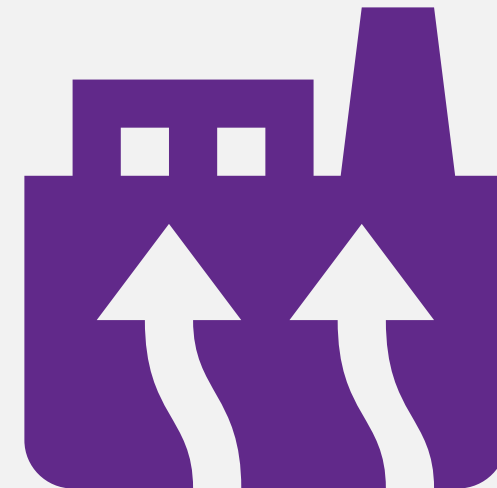

Asset Management Framework

Organisational
Strategy & Objectives

Boundary of the Asset Management System

G&D Strategy

Production
Requirements

STRATEGY ↑

GDAMP
Generation & Development
Asset Management Plan

Asset
Management
Policy

AMPs
Asset Management Plans

Internal
Stakeholders
& Support

Standards &
Business
Processes

PLANNING ↑

Data & Evaluation

LIFECYCLE
EXECUTION

DELIVERY ↑

Managing our Assets - the boy!

Reliability & Availability- the tiger

Reliability	Clyde 1	Clyde 2	Clyde 3	Clyde4	Roxburgh 1	Roxburgh 2	Roxburgh 3	Roxburgh 4	Roxburgh 5	Roxburgh 6	Roxburgh 7
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual
Feb 2019	100.00%	100.00%	100.00%	100.00%	99.68%	99.40%	99.61%	99.50%	99.61%	99.70%	99.90%	99.83%
Jan 2019	100.00%	100.00%	100.00%	100.00%	100.00%	95.43%	99.12%	100.00%	100.00%	100.00%	100.00%	100.00%
Dec 2018	99.87%	99.83%	99.91%	99.91%	99.87%	99.88%	99.55%	99.42%	99.78%	99.94%	99.94%	99.94%
Nov 2018	100.00%	99.89%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	99.86%	100.00%	100.00%
Oct 2018	100.00%	100.00%	100.00%	100.00%	99.50%	100.00%	100.00%	95.82%	100.00%	99.75%	100.00%	100.00%
Sep 2018	100.00%	100.00%	100.00%	100.00%	98.65%	100.00%	91.60%	100.00%	100.00%	99.99%	100.00%	99.56%
Aug 2018	99.80%	100.00%	100.00%	99.99%	100.00%		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Jul 2018	100.00%	100.00%	100.00%	100.00%	99.51%	99.16%	99.58%	98.70%	99.44%	99.54%	99.32%	69.68%
Jun 2018	99.08%	100.00%	100.00%	99.99%	100.00%	99.64%	99.91%	99.86%	100.00%	100.00%	100.00%	96.66%
May 2018	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	99.84%	99.98%	100.00%	100.00%	100.00%	99.77%
Apr 2018	100.00%	100.00%	100.00%	100.00%	100.00%	96.24%	99.94%	100.00%	100.00%	100.00%	100.00%	100.00%
Mar 2018	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	95.47%	98.65%	100.00%	100.00%	100.00%
Feb 2018	98.31%	100.00%	100.00%	100.00%	100.00%	100.00%	99.99%	99.37%	100.00%	98.82%	100.00%	100.00%

contact™

What's next for us..

Delivering on PI Roadmap
Enterprise Technology

2017   2020

SECURITY
Secure databases and zoning to align with
Control Systems Security.

ANALYTICS
PI AF, PI Connector, Integration and webparts for
Business anlysis

STORAGE
PI DB in AWS

BUSINESS INSIGHT & ML
Data Science Edge usecase, patterns ,
predictive AI and ML
* PI AWS Connector (Exploring Opportunities)

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the story of PI System 2

coming soon..