12-13 MAY 2025



PERTH

The Industrial Intelligence Event 2025

MAY 2025

AVEVADAY

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Digital platform for Digital Asset Health

Presented by:

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Major uncertainties to overcome

Value chain volatility increasing

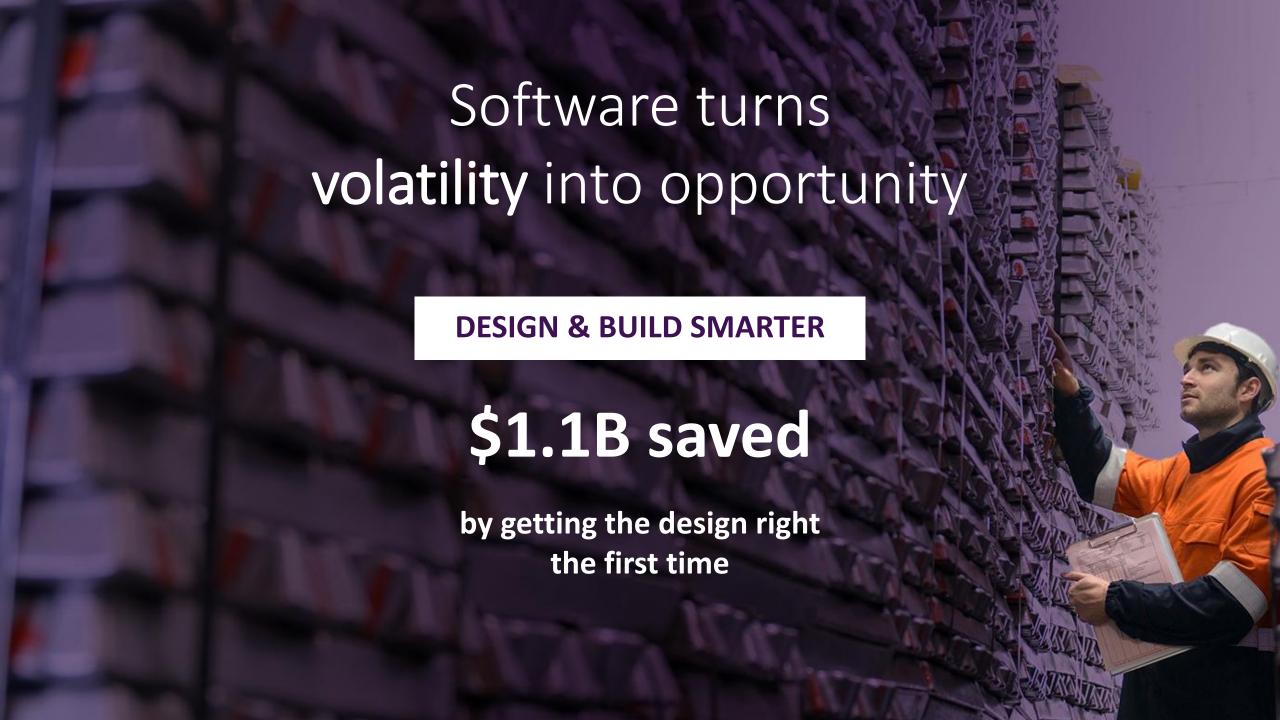
25% or more price fluctuations

Tribal knowledge decreasing

10 years of knowledge being replaced with 3 years

Technology disruptions accelerating

50% of top Industrial Production Index companies replaced since 2004

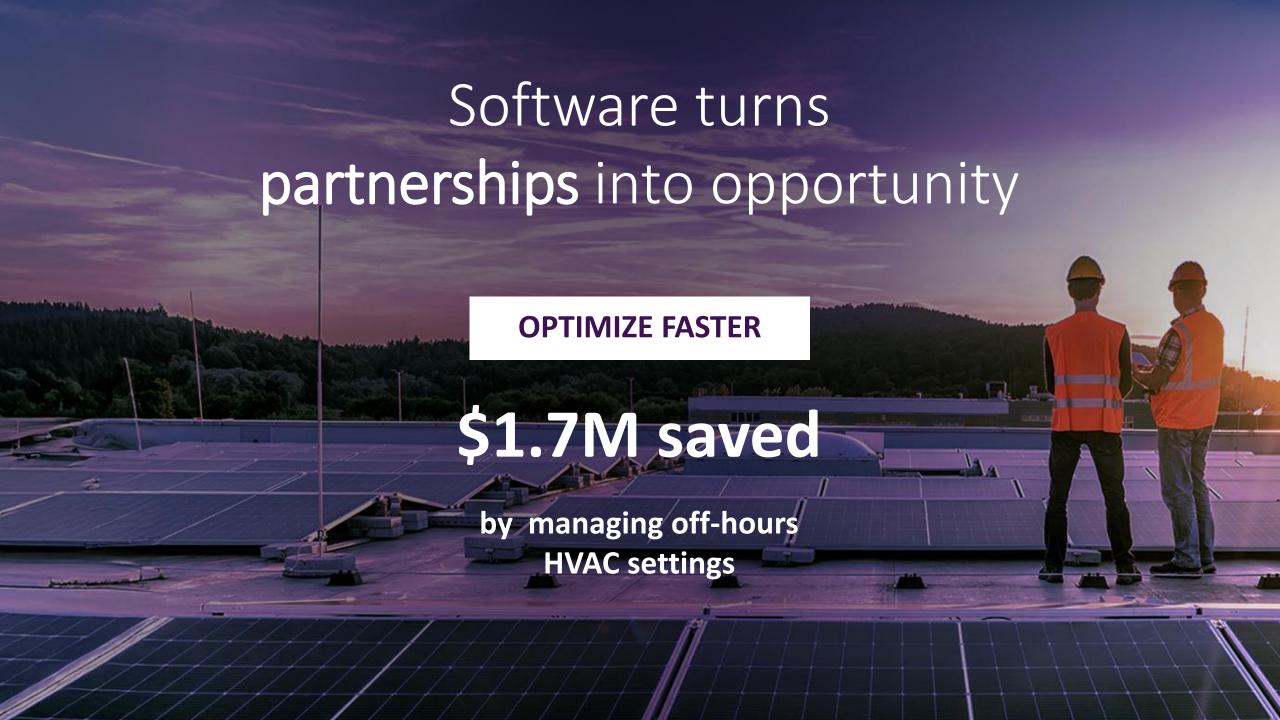


Software turns talent into opportunity

OPERATE SAFER

20% faster response

by empowering teams with real-time monitoring displays



A problem-solving organisation is data-driven

30-50%

Organisations are not where they want to be for data discovery and integrity

65%

Of decisions are more complex than they were two years ago

Highlights of Industry 5.0 compared to Industry 4.0

INDUSTRY 5.0 Focus on delivering customer **INDUSTRY 4.0** experience 00 Focus on connecting machines **Hyper customization** Mass customization Responsive & Distributed supply chain Intelligent Supply Chain Experience Activated (Interactive) Products **Smart products** Return of Manpower to factories Manpower distanced from factories

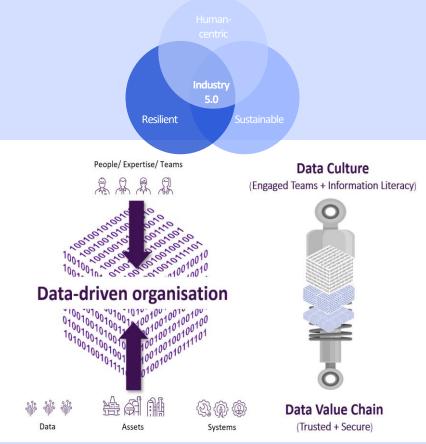
FROST & SULLIVAN

20-30%

Productivity gain can be achieved through digital collaboration

3%

Organisational cost in annual profits due to poor operational decision-making



Sustainability driven by digital

89% of industrial companies are investing in digital solutions to drive sustainability, with a focus on collaboration tools, real-time data, and predictive analytics



Enabled by Industry 4.0

56% of companies that hadn't implemented Industry 4.0

technologies prior to COVID-19

found themselves constrained in

their ability to respond to COVID-

19 in the absence of digital

technologies to support them

Traits of the data-driven organisation

Value chains become **digital nervous systems** that can quickly adapt to market conditions



Products become **information streams** enabling transparency and traceability across the design-to-dispose lifecycle



Physical assets become **information appliances** that are self-aware and increasingly autonomous





Workers become **problem solvers** who bring judgement, imagination and improvisation for innovation and agility



Work processes become **information loops** enabling closed-loop feedback, precision control and continuous improvement



The digital transformation challenge

\$2.8 trillion

The amount spent on digital transformation in 2025, double 2020.

70%

Of digital transformations fall short of their objectives

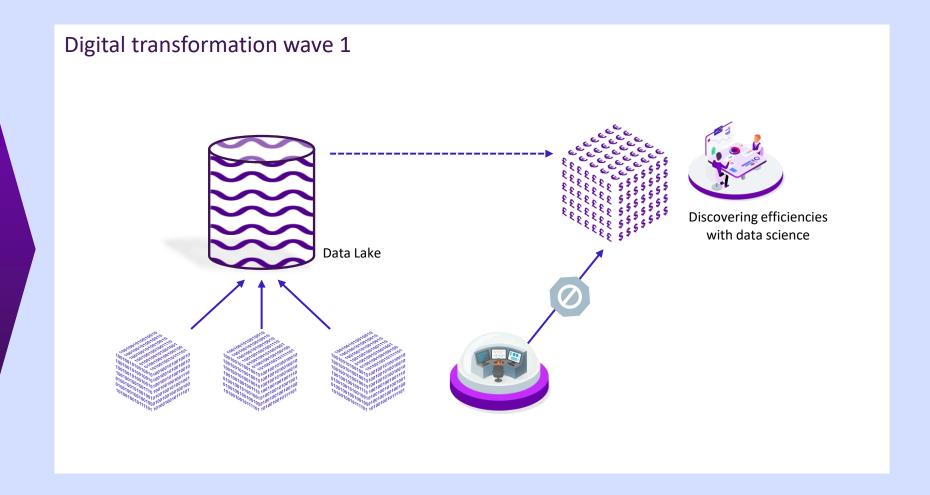
84%

Of companies fail at digital transformation

7/10

Say digital transformation progress has slowed or stalled

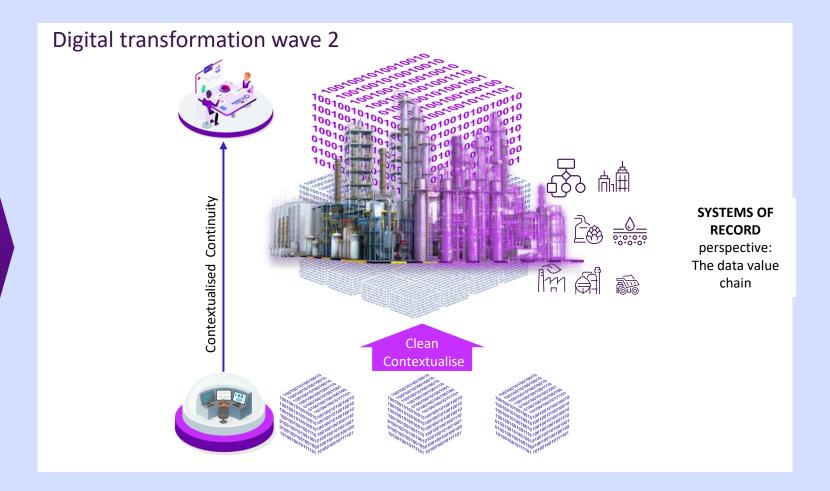
Sources: IDC, BCG, Forbes, McKinsey





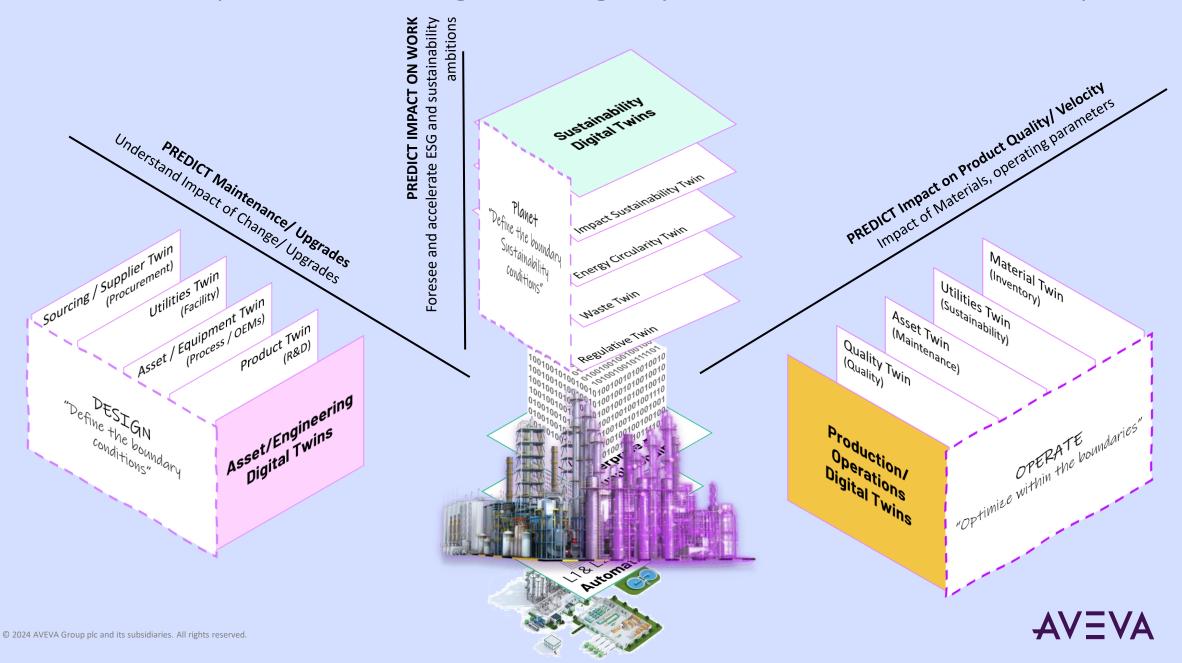
Understanding your objective





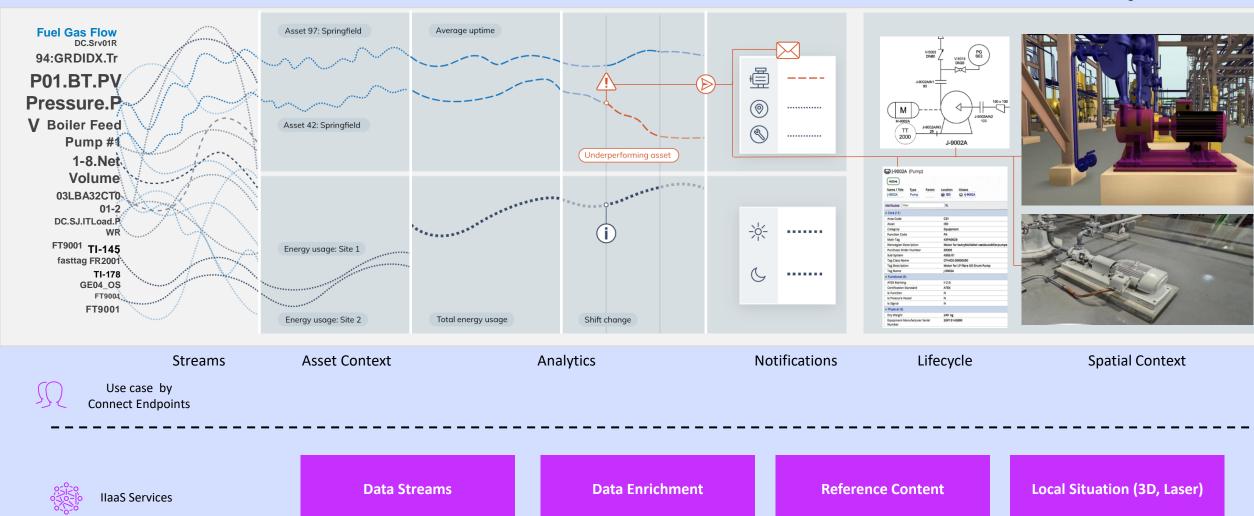


The relationship between Engineering, Operations & Sustainability



Asset Digital Thread – Industrial Information as a Service (IlaaS)

Individual Services Combined to form the Digital Thread





But the work landscape has changed! Need for information literacy



Trends Influencing Industrial Operations

Challenging Traditional Approaches



Customer Trends

- Organizational Convergence
- Software Sprawl
- Resource Challenges
- Informational Silos Breakdown (IT/OT)
- Globalization/ Consolidation
- Digital Transformation/ **Data Priority**



Cloud Computing **Technology Trends**

- Containers
- Managed Services
- Artificial Intelligence
- Generative AI/LLM
- Unified Namespaces
- MQTT Brokers
- Data Ops
- IIoT



Market Trends

Inflation

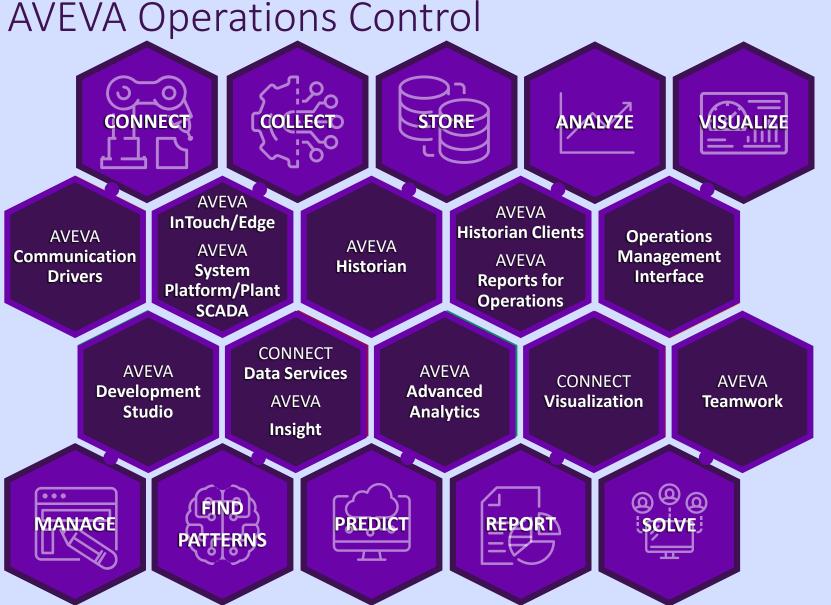
- Distributed Workforce
- Geo-Political Events
- Digital Natives Become the Majority
- Cyber Security
- Increasing Rate of Change
- Sustainability
- Data Sovereignty

What activities benefit from access to operational data?

Leveraging operational data beyond monitoring and control







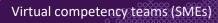
Empowering Digital Transformation with the power to choose the configuration, architecture and deployment options that best meet your objectives







- Best practices
- Expert support







CapEx Project Teams

- Engineering
- 000 IT













Data science





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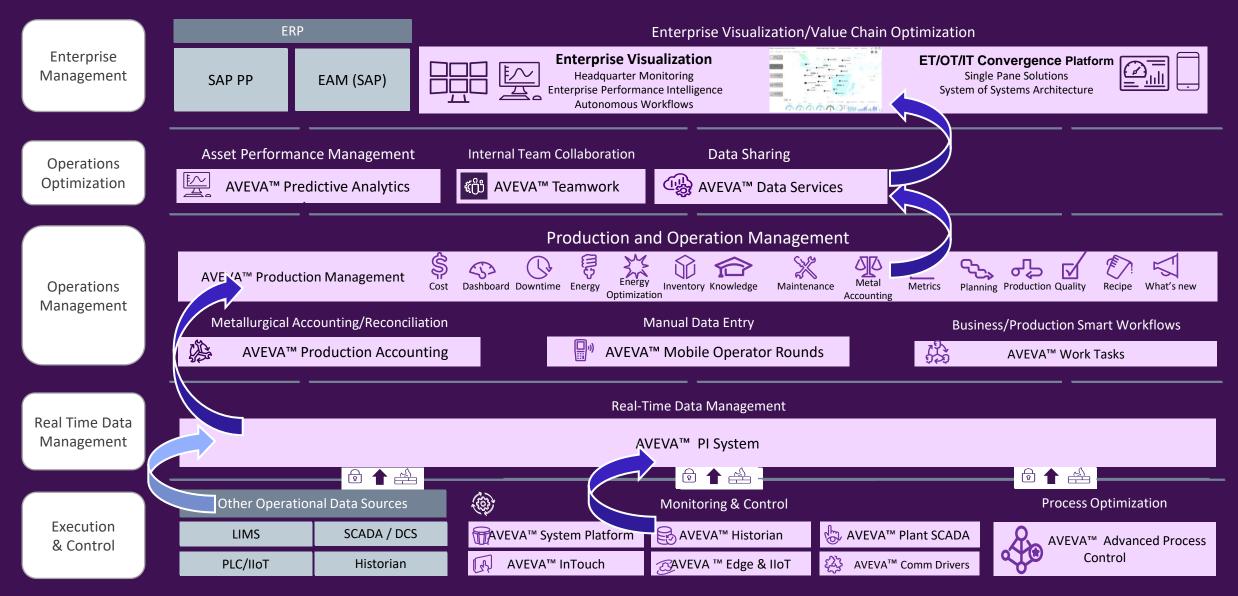
CONNECT

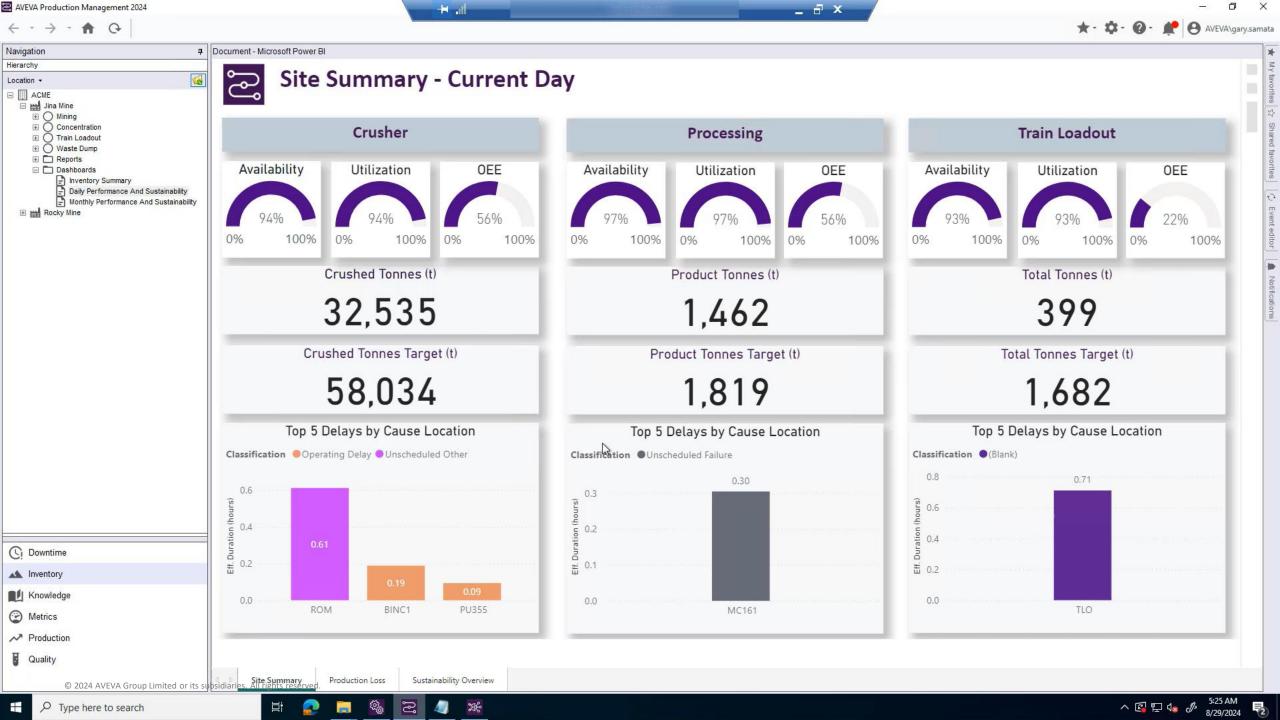
New Ways of Working/

Opportunities



Reference architecture for mining & processing plant





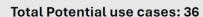






Coromandel Digital Projects selection criteria







Quio

team/OIT&TECHNOLOGY/T Preliminary Data analysis o combination Vs Throughput

process parameters)

Coromandel Data Analytics Use-case

P2O5 efficiency improvement in PAP-2



Data Availabilit to build the shor the quality to fur cases

Business Priori businesses and the pain areas to Analytics use ca business to imp

frame to Deploy framerwork for t the complexisite identify those us for the business



Coromandel Data Analytics Use-case

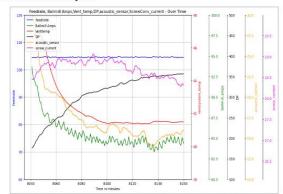


P2O5 efficiency improvement in PAP-2: Ball mill-Descriptive Analysis

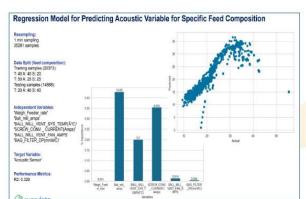
Results

Ball mill - Descriptive analytics shown that

- Developing a ball mill efficiency improvement model and based on historical data after segmented to rock ratio wise found strong cross corelation between
 - 1. <200micron size Vs Ball mill vent fan amps
 - 2. Ball mill vent system temperature Vs Ball mill amps
 - 3. Ball mill vent fan amps Vs Screw conveyor amps
- At a constant feed rate, observed different patterns of critical parameters Ball mill Amps, Vent system temp, Acoustic sensor, Bag filter DP, Screw Conveyor Current.
- · Potential benefit 2.98 Cr/year



Critical parameters behaviour at constant feed rate







Analytics use ca business to imp

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Coromandel Achieves Potential benefits of 3.7 M\$

through Process improvement

Challenge

- Process upsets leading to long shutdowns and impacting phosphoric Acid production and more P2O5 losses
- Evaporator downtime FY 23-24 is almost 42% of the entire plant.
- Loss of product produced due to non maintenance of target quality parameters

Solution

 Development of advanced analytics models on enterprise data management model to process production and process anomalies using AVEVA PI system, AVEVA AAA and CONNECT Platform

Results

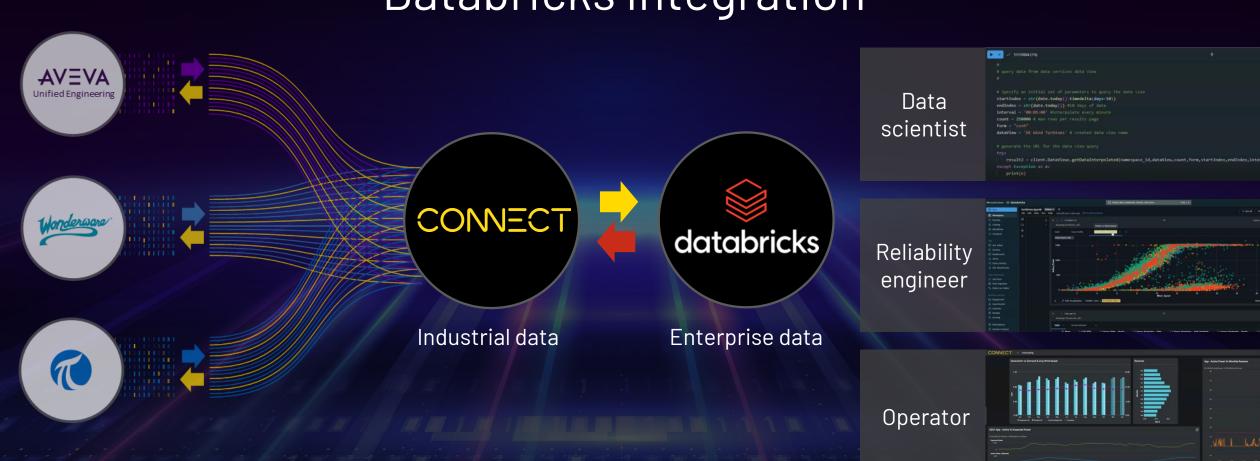
Results			
SI.No	Use Cases	Target	Business Impact/year- Current Scope- Under Vetting
1	P2O5 Efficiency Improvement & P2O5 loss reduction	Rock Efficiency Improvement by 0.3%	4.09 Crores
2	Quality Prediction & reduce rework	900 MT	5.4 Crores
3	Digital Twin for Evaporator C2	Reduction of 50% downtime of past 3 years yearly average downtime of 750.67 hrs	2.05 Crores
		Total Business Impact(Rs Crores/Year) =	Rs 11.54







NEWDatabricks integration



Call to Action

Contact your AVEVA Account Manager, or Channel account manager or Distributor to ensure you have a Connect account setup!

Log onto Connect

Connect Your data source

Visualize your data Analyze your Data

Need Help – Reach out to the Presales team in AVEVA or Schneider Electric!

Ask at the Booths formation Ask at the information

CONSCT

Industrial intelligence for the connected industrial economy

Seamless experience

Applications and analytics

Design & build

Operate

Optimize

Information

Engineering information

Operations information

Assets and devices











Ecosystem

of developers and partners

CONVECT

Industrial intelligence platform



Industrial Al Innovations

Enriching existing investments

Partner ecosystem

Thank you



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Over 20,000 enterprises in over 100 countries rely on AVEVA to help them deliver life's essentials: safe and reliable energy, food, medicines, infrastructure and more. By connecting people with trusted information and AI-enriched insights, AVEVA enables teams to engineer efficiently and optimize operations, driving growth and sustainability.

Named as one of the world's most innovative companies, AVEVA supports customers with open solutions and the expertise of more than 6,400 employees, 5,000 partners and 5,700 certified developers. The company is headquartered in Cambridge, UK.

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