

NOTICE

Forward Looking Statements

This presentation may include predictions, estimates, intentions, beliefs and other statements that are or may be construed as being forward-looking. While these forward-looking statements represent our current judgment on what the future holds, they are subject to risks and uncertainties that could result in actual outcomes differing materially from those projected in these statements. No statement contained herein constitutes a commitment by AVEVA to perform any particular action or to deliver any particular product or product features. Readers are cautioned not to place undue reliance on these forward-looking statements, which reflect our opinions only as of the date of this presentation.

The Company shall not be obliged to disclose any revision to these forward-looking statements to reflect events or circumstances occurring after the date on which they are made or to reflect the occurrence of future events.



AVEVAWORLD
SAN FRANCISCO 2022

SPARK YOURINGENUITY

WEDNESDAY NOVEMBER 16TH 2022

Mining & Metals

Welcome to Industry Day

Presented by: Martin Provencher, Global Industry Principal, Mining, Metals & Materials



Safety Share



Trends and pressures in the Mining & Metals industry



Capital projects constraints

\$70.4bn

will be reached from mining capital expenditure across leading miners in 2022¹



Workforce disruption

>50%

improvement potential for mining personas when integrating and optimizing technologies and redesigning systems²



Demand shifts and market fluctuations

82%

of metal players see digital as top priority in their strategy³



Operational Risks and Pressure to Lower Costs

16x

more rock and energy are required to produce copper today than back in 1900⁴



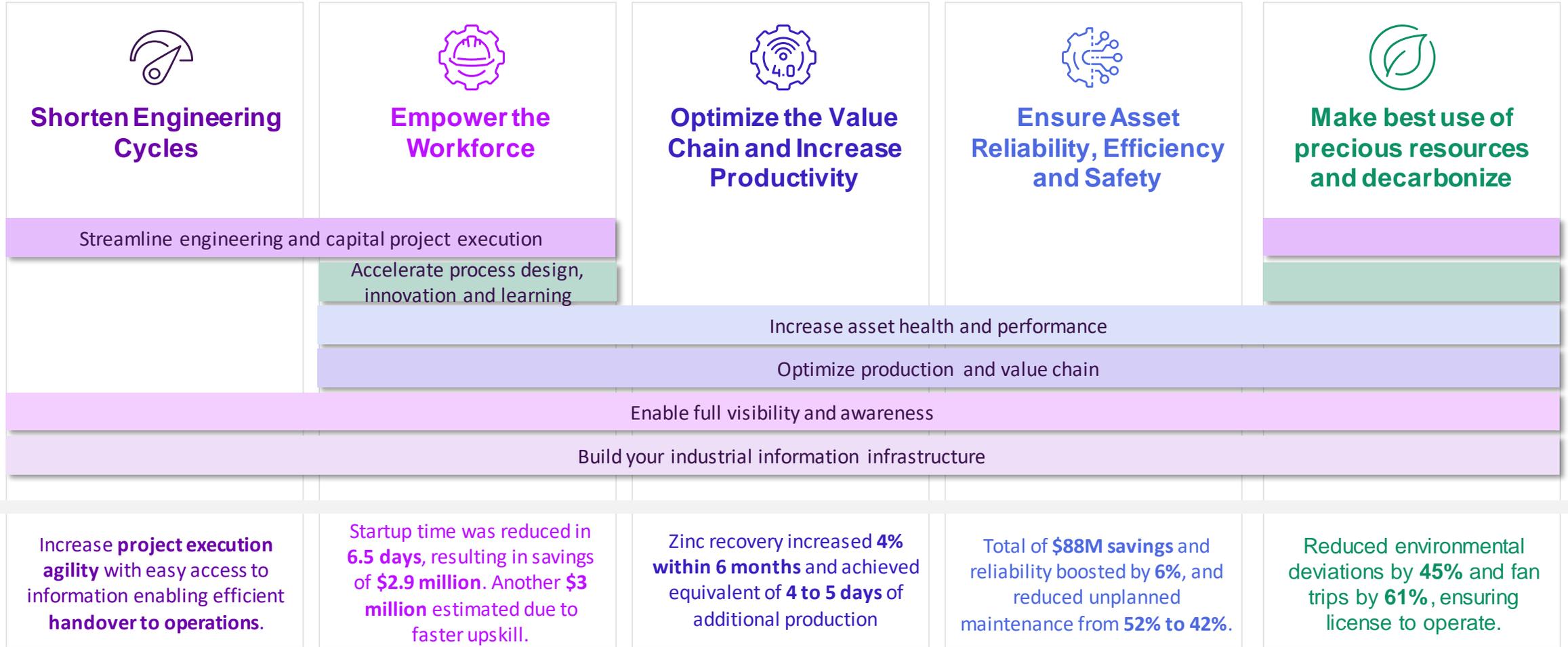
Increased regulations and business discontinuity

83%

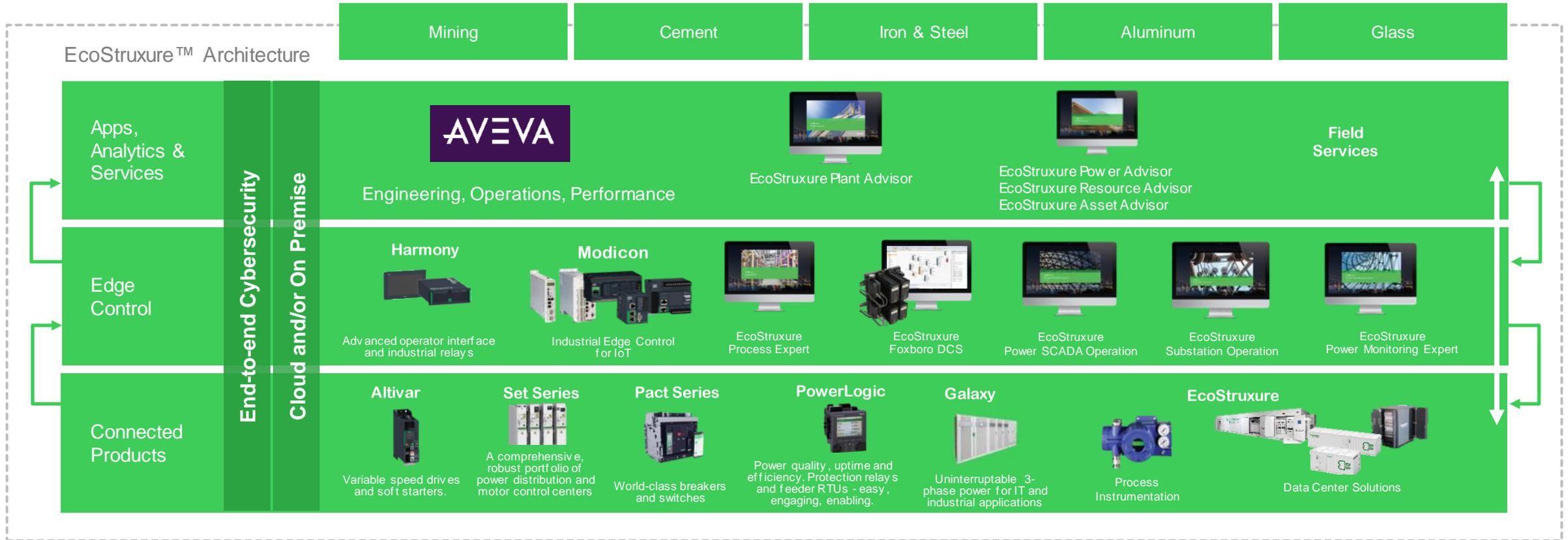
of mining and metals CEOs see meeting customer expectations as an influential factor that supports meeting their net-zero commitment⁵

Sources: 1. [Mining Technology](#); 2. [Deloitte](#); 3. [McKinsey](#); 4. [Angloamerican](#); 5. [PwC](#)

Business imperatives and digital initiatives



EcoStruxure™ for Mining, Minerals & Metals



**TODAY'S
AGENDA**

Session	Presenters	Time
Mining & Metals track introduction	Martin Provencher, AVEVA	10:45 – 10:55
Vale's Remote Operations Centre and the Importance of Near Realtime Telemetry	Chris Bertrand, Vale Norman Doucet, Vale	10:55 – 11:20
Rio Tinto: Digital Project Delivery for Rio Tinto Capital Projects - Strategy Development & Implementation	Paul Rushton, Rio Tinto	11:30 – 11:55
Algoma Steel: Cold Mill Digital Journey	John Gardner, Algoma Steel Michael McCracken, Algoma Steel	12:05 – 12:30
MFQ continues its digital transformation journey by relying on AVEVA Operations Control & predictive Analytics using the PI data foundation	Nicolas Toupin, Quebec Iron Ore	14:00 – 14:25
Northern Star Resources Limited: Digitisation of Logsheets	James Sweeney, Northern Star Resources Ltd Daniel Qiao, MIPAC	14:35 – 15:00
Nexa Resources: PI System and Predictive Analytics for Zinc Industry	Guilherme Guimarães Guedes, Nexa Resources Warley Jose Gomes Pereira, Nexa Resources	15:10 – 15:35
SOQUIMICH: The journey to Integrated Operations	Rodolfo Pino, SQM David Rojas Ramos, SQM	16:00 – 16:25
The Doe Run Company: Enhancing Operational Insight with AVEVA PI System and FactoryTalk Historian	David Boren, The Doe Run Company Keith Bouvier, Gray Solutions	16:35 – 17:00

Sustainability impact study

Join us on this journey

AVEVA and Capgemini are partnering with customers to validate the digital solutions sustainability impact on plant operations.

If your company is interested in a free evaluation of sustainability KPI improvements, go to the expo and **ask about the sustainability study**.

Expo Booth

- Energy transition & circular economy
- Capgemini (Partner Expo)



Use cases

- Accelerate low carbon transition with process simulation
- Process and utility optimization
- Increase reliability and efficiency with predictive analytics
- Reduce waste and energy consumption with information and production management

Metrics

- GHG emissions
- Materials waste
- Energy consumption
- Water consumption



PI System Calculation Engine

- Replace PI ACE with established product
- Run custom code using PI data
- Visual Studio not required
- View calculation metrics

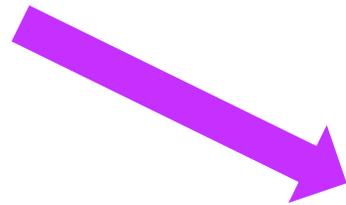
JOIN US FOR OUR EXPO DINNER EVENT TONIGHT!

5:00 – 7:30 PM

Expo
Dinner
Reception

Industry
Areas

Level 2



WE VALUE YOUR FEEDBACK!

Please watch for our post-event survey.



Questions?

Please wait for the microphone.
State your name and company.



Please remember to...

Navigate to this session in the mobile app to complete the survey.



Thank you!