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Find out more about EcoStruxure™ for Mining
se.com/mining

Schneider Electric

35 rue Joseph Monier
92500 Rueil-Malmaison, France
Tel : +33 (0)1 41 29 70 00

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EcoStruxure™
Innovation At Every Level

With leading-edge
industrial software from

AVEVA

Green Mining transformation

Decarbonize through electrification
and digitalization

EcoStruxure™ for Mining

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Contribute to progress, ensure energy transition and decarbonized value chains with **sustainable mining** - efficient, cleaner, and profitable - all along the mine life cycle, through **electrification**, **renewables** and **process efficiency**

Why Green Mining?

Sustainability has become quite critical for the mining industry



Essential. +40 mined metals used in a smart phone; **80%** more copper used in EVs than in combustion engine



4-7% global CO₂ emissions come from mining value chain*



Your customers have set strong Scope 3 emission reduction targets.



80-90% of new mines are built in water-scarce areas. Mining Industry is the **2nd largest** water-intensive sector in industrial consumption of freshwater



Your peers are responding to growing green mining demand. **BHP and Vale** have been targeting a 30% reduction in Scope 1 and 2 emissions by 2030; Rio Tinto is targeting 15% by 2025 & 50% by 2030.



By 2030, the Green Mining market is set to expand to **\$21.11B****

* <https://www.globaldata.com/data-insights/mining/total-ghg-emissions-of-major-metals-and-mining-companies-worldwide-by-revenue-2090961/>

** <https://www.skyquestt.com/report/green-mining-market>

There is an increasing pressure and pull from all stakeholders for sustainability



Regulators

are accelerating the shift to a green economy



Investors

are backing sustainable companies



Employees & communities

are looking for a purpose



Customers'

interest to decarbonize is becoming mining organisation commitments

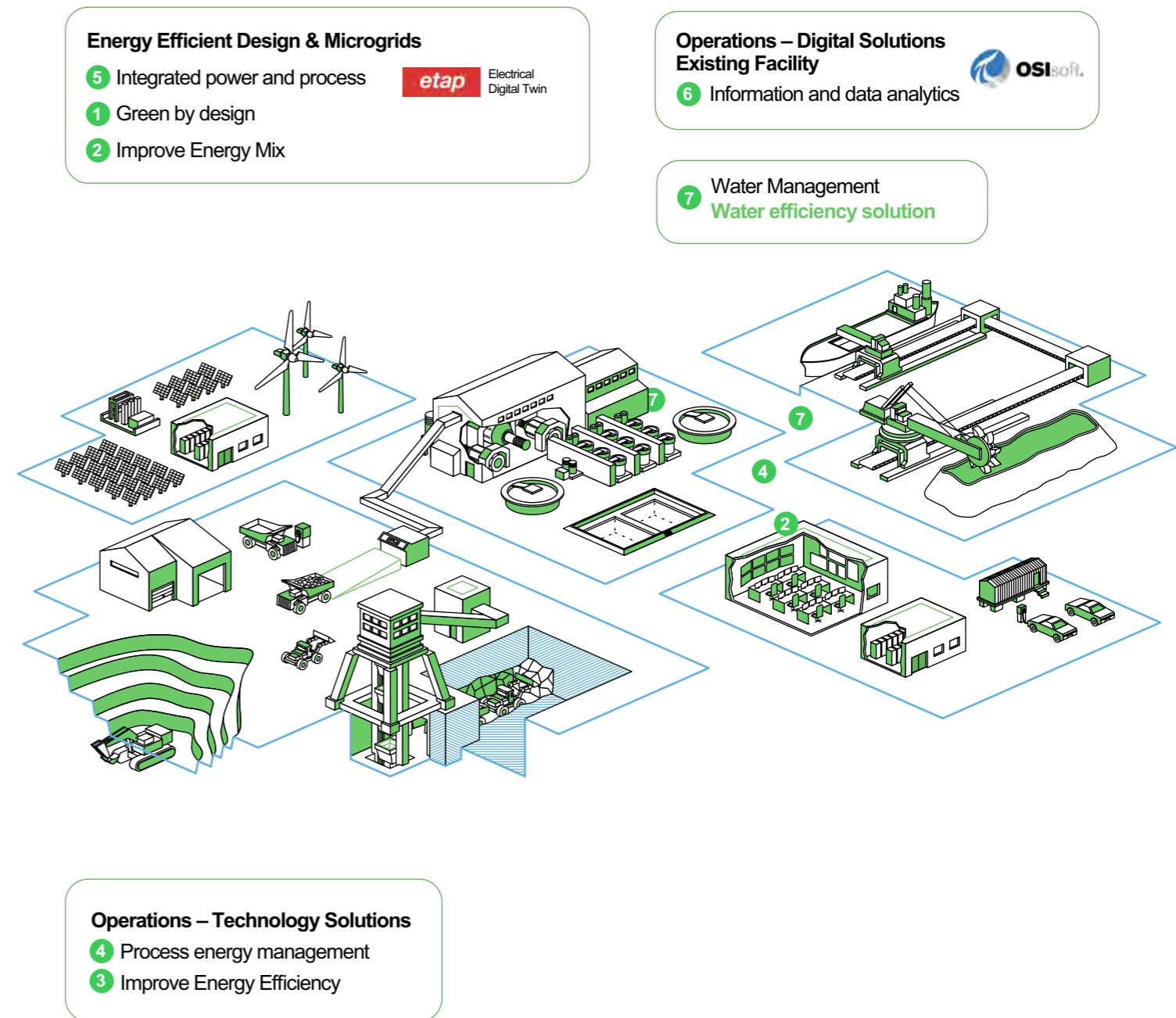
Our digital energy, process & automation solutions to reach your decarbonization & sustainability objectives

		Emission abatement potential			
		>5-10% Incremental Levers on existing assets	>10-15% Significant investments on existing assets	15-40% Major investments to develop entirely new assets	
Our solutions		Energy efficiency	Energy efficient comminution design	Microgrids for mining	
We support your transition to new green technologies	1 Digital microgrid			✓	
	2 Improve energy mix	✓	✓	✓	
... while deploying our unique market leader expertise in energy management, green energy sourcing and integrated power & process	3 Improve energy efficiency	✓	✓	✓	
	4 Process energy management	✓	✓	✓	
	5 Digitally integrated power and process	✓	✓	✓	
	6 PI, data management and analytics	← Enabler →			
and supporting sustainability through water management	7 Water Efficiency Solution	← Contributor →			

Digitally integrated power and process to reduce TotEx of transformed plants, flexible to access green energy sourcing and intelligent for continuous improvement

- Energy + Automation
- End Point ^ Cloud
- Design and Build > Operate and Maintain
- From Site to Site > Integrated Management

Sustainable mining - solutions along the value chain



We are uniquely positioned to help you throughout your mining process decarbonization and sustainability journey with digitization

Why partnering with Schneider?



Close to you with a **global network** of **2,000+** dedicated sustainability experts and **6,500+** highly trained field services engineer



Leader in energy management covering **300,000+** sites and managing **€30Bn** of energy spend



125+ Mt of CO₂ managed annually and the **largest** advisor of negotiated corporate PPAs with **15 GW+** since 2014



Unique partnerships with international energy companies to deliver end-to-end sustainability solution, power generation incl.



Technology leader with **digitally integrated power and process** and through our ownership of **AVEVA's** outstanding software portfolio



500+ system integrators and consultants across the globe to support our solutions, **intimacy with global and local process OEMs and EPCs** (*Metso-Outotec, FLSmidth, L&T, Worley Parsons, Hatch, Symboticware & Howden to name a few*)

Our distinctive solutions deliver material impact to our customers

			
<p>Reduced Energy consumption with lower Maintenance costs with optimized power distribution at desalination plant</p>	<p>Premium digital automation solutions for dewatering pump systems at one of the largest mining companies to prevent future flooding events 20% reduction in energy consumption</p>	<p>Remote management and integrated operations across 15 sites for better safety & sustainability</p>	<p>Modernizing automation and digital twin promotes circular economy, optimized waste, reduced costs, and more sustainable mineral extraction</p>

Decarbonize the value chain, change brand perception and maintain social license to operate, mastering the transition to **sustainable mining** through digitally **integrated power and process**

Let's talk about

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