

Life Is On



Find out more about EcoStruxure™ for Cement  
[se.com/mining-minerals-metals](https://se.com/mining-minerals-metals)

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EcoStruxure™  
Innovation At Every Level

# Green Cement Transformation

Decarbonize through electrification and digitalization



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Life Is On



Collaborating to **contribute to progress** and meet **cement decarbonization** and **profitability** targets, with **energy transition solutions** designed for **sustainable manufacturing** from grid to cement

## Why decarbonization matters in the cement industry



The cement industry is responsible for **7%** global CO<sub>2</sub> emissions.<sup>1</sup>



Customers are increasingly asking for green products to decarbonize their supply chain with a forecasted market value of low carbon **cement market at US \$5 billion** by 2032.<sup>2</sup>



Your competitors are setting strong, science-based emission reduction targets with total number of dedicated companies crossing **3,600** in 2022.<sup>3</sup>



Global net zero targets require a different and decarbonised cement production technology, which includes **3%** annual decline of direct CO<sub>2</sub> intensity of production.<sup>4</sup>

1.McKinsey & Company

2.Fact.MR

3.SBTi Progress, Progress Report, 2022

4.iea.org

# Our digital energy, process and automation solutions help you to reach your decarbonization objectives

Emission abatement potential	>5-15%	>15 - 30%		>30-50%		
	Incremental Levers on existing assets	Significant investments on existing assets		Major investments to develop entirely new assets		
	Energy efficiency	Alternative fuel injection	Waste heat recovery	CCUS (Implementation)	Shift to alternative material and production technology	Fully electrified green process & energy technology
1 New green production by design (greenfield)		✓	✓	✓	✓	✓
2 Greening existing capacity (brownfield)	✓	✓	✓	✓		
3 Energy supply strategy	✓		✓			✓
4 Process energy management	✓	✓	✓	✓	✓	✓
5 Digitally integrated power and process	✓	✓	✓	✓	✓	✓
6 Data management and analytics				Enabler		

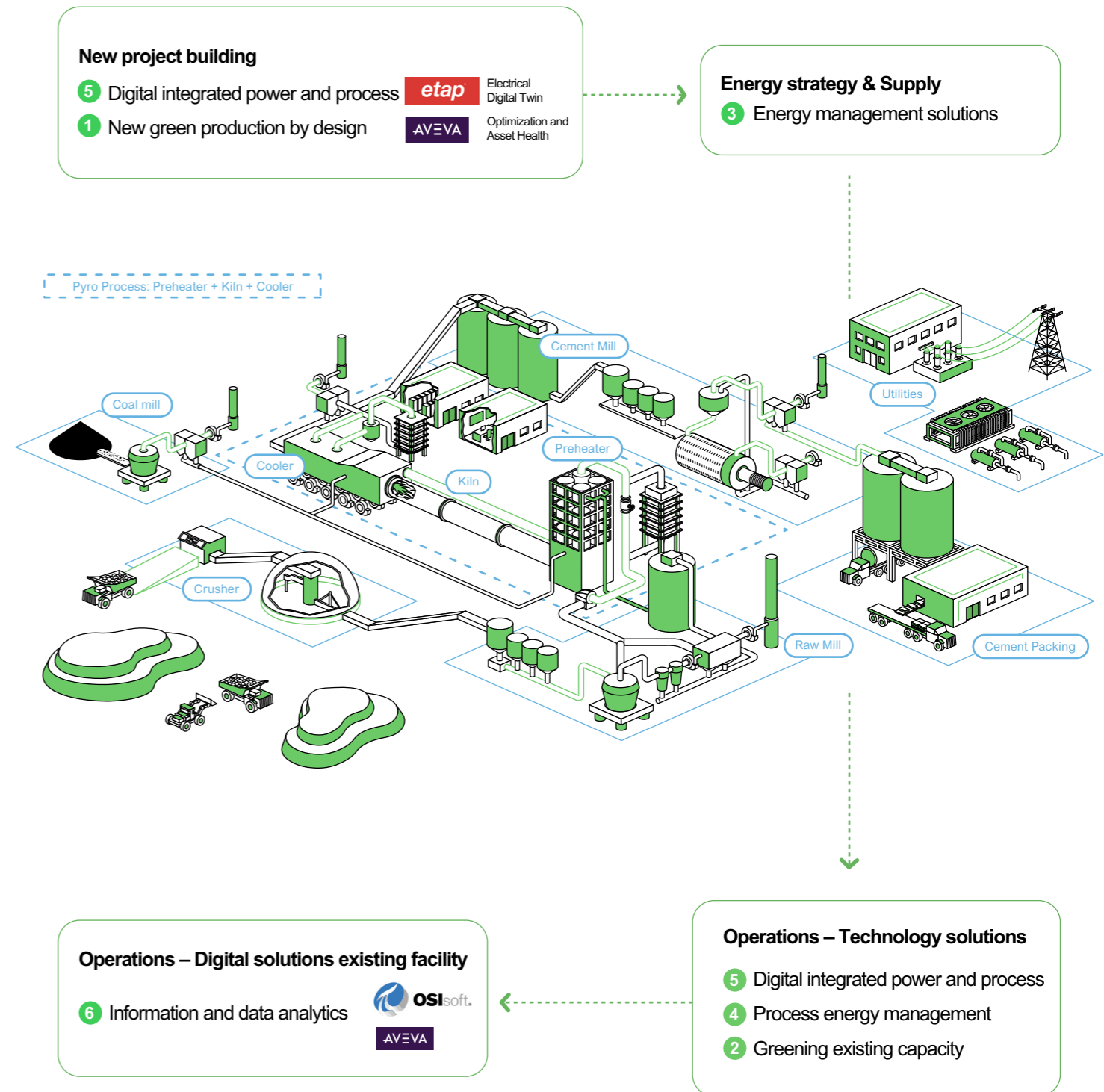
We support your transition to **new green technologies**

...while deploying our **unique market leader expertise** in energy management, green energy sourcing and integrated power & process

# Digitally integrated power and process solutions to reduce TotEx, enable continuous improvement and leverage green energy

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

## Cement industry solutions along the entire plant value chain



As recognized leaders in energy management, automation and integration with process, we bring sustainability and efficiency to your operations



## Why partner with Schneider Electric?



**New “green by design” production capacity** with integrated power, process automation and software solutions



**Greening existing capacity** with an optimized energy system footprint and a decarbonized supply chain



**Energy supply site services** to optimize energy sourcing and companywide emissions monitoring to better manage your GHG footprint



**Process energy management** with our software, energy-efficient drives, and services



**Digital integrated power and process** to eliminate operational silos and improve production agility



**Data management and analytics:** With 50+ years of experience, we are #1 industrial software solution for the industry, with 1400+ sites in Metals, Cement, Mining & Minerals equipped

# We are uniquely positioned to help you throughout your cement process decarbonization journey

- 1 Close to you with a **global** network of **2,000+** dedicated sustainability experts and **6,500+** highly trained field services engineer
- 2 Leader in energy management covering **300,000+** sites and managing **€30Bn** of energy spend, ranked #1 in **Energy-as-a-Service** Solutions Provider by **Navigant Research**
- 3 **125+ Mt of CO<sub>2</sub>** managed annually and the **largest** advisor of negotiated corporate PPAs with **13 GW+** since 2014
- 4 Unique partnerships with international energy suppliers to deliver **end-to-end sustainability** and power generation solutions
- 5 Technology leader with **digitally integrated power and process** and through our partnership with **AVEVA's** outstanding software portfolio
- 6 **500+** system integrators and consultants across the globe to support our solutions, **intimacy with global and local process OEMs**

Make the most of a digitally integrated **power and process** environment for sustainable cement manufacturing

Let's talk about  
**EcoTruxure™** for Cement  
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