

Energy transformation, minus the risk.

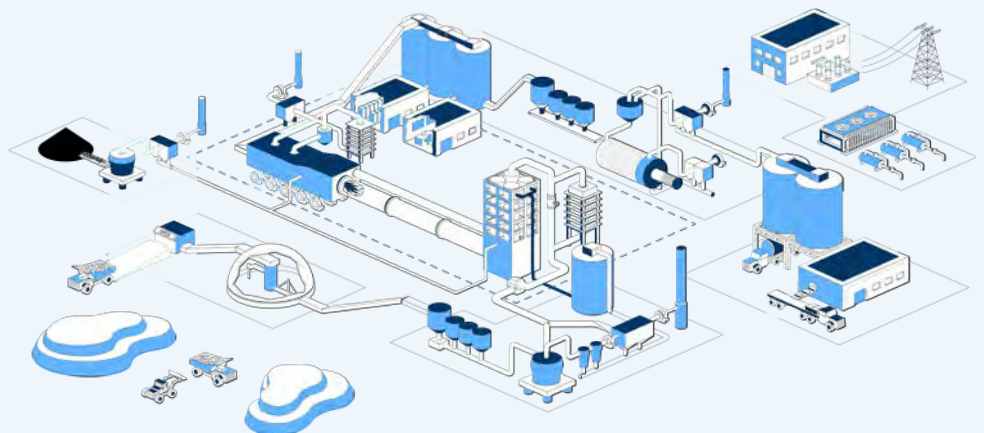
Decarbonize operations with Energy as a Service Microgrids

Decarbonizing the Cement and Materials sector

The success of the green energy transition, not to mention the entire global economy, hinges on the cement and minerals sector. Conventional approaches to meeting this sector's energy needs **carry a significant carbon footprint, require large capital investments, and are constrained by your local utilities' fuel availability and generation mix.**

To meet rising demand for commodities while avoiding additional greenhouse gas emissions and capital spending, the Cement and Materials sector must **think outside the grid** for a solution.

Energy as a Service Microgrids enable Cement producers to operate efficiently and sustainably without the CapEx or complexity.



- Solar Photovoltaic
- Solar Thermal
- Wind
- Combined Heat and Power

- Energy Storage
- Waste Heat Recovery
- Alternative Fuels: Green Hydrogen, Oxygen

Start your energy transformation today. Contact us at info@alphastruxure.com

AlphaStruxure

AlphaStruxure helps organizations achieve ambitious, tailored energy transformations — without the CapEx or complexity. As owners of our clients' Energy as a Service systems, we're fully accountable for your long-term goals around resilience, reliability, carbon reduction, and cost stability.



Design

We design and engineer tailored energy infrastructure to achieve your goals for carbon reduction, resilience, reliability, and cost stability.



Finance

Direct access to strategic capital from Carlyle removes funding roadblocks and reduces financial risk to accelerate your energy transformation.



Build

Partnering with industry experts, we manage your energy infrastructure construction to ensure an efficient, safe, and streamlined build process.



Own

We are accountable for the energy infrastructure across its lifecycle, and which means we hold a long-term interest in your success.



Operate

On-site and remote operations of energy assets through our digital platform and Microgrid Network Operating Center to deliver long-term outcomes.



Maintain

As experts in the evolving technology landscape, we deliver zero CapEx asset optimization and upgrades.






CARLYLE

As a steadfast innovator in the new energy landscape, AlphaStruxure's joint-venture model combines Carlyle's capital backing with Schneider Electric's 185+ year legacy and track record as the #1 microgrid technology provider, with 300+ successful projects in North America.

Deep industry expertise

Your long-term partner for your most ambitious energy transformation

Energy Assessment & Efficiency	Renewable Power / Microgrids	Waste Heat to Power	Energy Management & Automation
 <p>Energy audits across 16 Cement Plants delivering \$25M in savings</p>	 <p>Successfully deployed 350+ microgrids totaling 197MW</p>	 <p>Global experience executing 72.5MW of WHP at Cement Plants</p>	 <p>Digitalization and automation of Cement systems/processes</p>



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Top Cement & Materials Companies



2700+

Clients Globally



300k

Cement & Materials Sites Managed



\$30B

Managed Energy Spend



70 GW

Managed Energy

*Though parent company Schneider Electric

Contact us at info@alphastruxure.com to realize your most ambitious energy goals

alphastruxure.com

One Boston Place
201 Washington Street, Floor 27
Boston, MA, 02108 United States