

Energia

A performance-based energy assessment tool designed to optimize energy efficiency in building projects.

Low Carbon Cement

Calcium Sulfoaluminate (CSA) produced from novel cement chemistry that utilizes sulfur within existing cement production infrastructure.



RESEARCH &
DEVELOPMENT



RESEARCH PROJECTS



SYNERGIA9n1

SYNERGIA9n1's Multimodal Ultra-Efficient Cooling System: A patented cooling system that significantly reduces energy consumption and carbon footprint.

Solar Thermal CO₂ to Carbon

A novel technology enabling direct conversion of CO₂ to high value carbon products using solar and thermal energy.

Carbonate Based Plaster

A sustainable gypsum plaster board alternative of comparable/superior performance, produced from carbon capture and mineralization processes embodying more than 30% of CO₂ by weight.

A WORLD-CLASS RESEARCH
INSTITUTE INCUBATING
GREEN SOLUTIONS TO
SUPPORT A SUSTAINABLE
BUILT ENVIRONMENT



www.institute.gord.qa



ABOUT GORD INSTITUTE

GORD Institute is a research and development hub where GORD develops novel technologies that foster its vision for sustainable development in the built environment. The institute contributes to research in industry and academia by engaging in long-term research projects related to innovative materials, carbon capture, cooling technologies as well as energy efficiency and renewable energy solutions. The institute conducts its multidisciplinary scientific research programs through its own resources as well as its partnerships with local and international institutions to enhance the sustainable built environment in the MENA region and beyond.



15,000 sqm
RESEARCH FACILITY

RESEARCH FACILITIES



TechnoHub

A pilot testing facility for renewable energy cooling systems and innovative materials.

Innovation Center Lab

A state-of-the-art laboratory housing highly advanced analytical equipment.



RESEARCH THEMES

<p>Innovative Materials</p>	<p>Carbon Capture and Utilization</p>
<p>Cooling Technologies</p>	<p>Energy Efficiency</p>
<p>Renewable Energy Solutions</p>	<p>Sustainable Built Environment</p>



Accelerating Green Solutions
for a Sustainable Future



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