



CASE STUDY

Pruksa Holding and Inno Precast

How Pruksa and Inno are leading the shift to sustainable precast concrete in Thailand

Introduction

In a bid to create more value and double down on its commitment to sustainability, [Pruksa Holding Company](#) spun off its precast business, partnered with Inno Precast — an experienced precast player with 19 years of experience in the Thai concrete market — and signed an agreement with CarbonCure to become the first producer of low carbon precast concrete in Thailand.

Today, Inno Precast has 7 plants at Pathum Thani in Thailand and is planning to use CarbonCure in all of its concrete products by 2024 with a saving of 4,000 metric tons of carbon dioxide.

Corporate Commitment to Sustainability

Pruksa, already a major player in Thailand's real estate market, isn't new to sustainable practices.

Its sustainability ambition shines through in its goals:

- Make a 30% reduction in greenhouse gas emissions by 2030
- Achieve carbon neutrality by 2050
- Provide a better quality of life for all its communities with its philosophy, "Live Well, Stay Well"

This isn't just a vision for Pruksa and its group of companies — it's a commitment that drives its operations. The company clearly documents its progress toward these goals in its annual [sustainability report](#).

Key Highlights



4-6%

cement reductions achieved with no effect on quality or performance



4,000 metric tons

of CO₂ will be saved annually from Inno's operations

Inno Precast's Sustainability Progress

Inno Precast was the first in Thailand to adopt a "Zero Waste" policy and represents the cutting edge of sustainable industrial practices. With state-of-the-art German technology, they've set unparalleled standards of automation, quality, and production capacity.

The incorporation of CarbonCure technology solidifies its position as the leader in low carbon precast production in Thailand.

"With CarbonCure, we've significantly reduced our concrete's carbon footprint while upholding our high standards of performance and quality."

Mr. Porntep Suppataratarn

Group Chief PRC & Supply Chain Officer | Inno Precast, part of Pruksa Holding

Working with CarbonCure

Adopting any new technology can be challenging — especially one without a track record in Thailand — but Pruksa and Inno made it look easy.

Working with CarbonCure's Technical Services and Support team, Inno Precast installed and commissioned the CarbonCure technology in record time.

It initially piloted the technology with its Precast Wall product, but quickly ramped up to mass production, implementing it in its Precast Ground Beam, Beam, Solid Slab, and Hollow Core Slab products within months.

"We implemented CarbonCure in most of our products and intend to use it to reduce our carbon footprint by 4,000 tonnes annually by 2024."

Mr. Porntep Suppataratarn

Group Chief PRC & Supply Chain Officer | Inno Precast, part of Pruksa Holding

Results

Using CarbonCure, the team was able to cut the cement content of their mixes by 4-6% without affecting compressive strength, quality, or workability. It also enabled the reduction of significant CO₂ emissions.

"CarbonCure helped our team at Inno Precast to reduce cement content by 4-6% while maintaining the quality, strength, and workability of our ordinary mix designs."

Mr. Porntep Suppataratarn

Group Chief PRC & Supply Chain Officer | Inno Precast, part of Pruksa Holding

What's Next for Inno Precast and Pruksa?

Inno Precast is charting a clear path toward carbon neutrality. Its drive to continuously reduce carbon emissions and introduce sustainable practices sets it — and the entire Pruksa Holdings group — on a trajectory of responsible growth.

Build your business. Build with CarbonCure.

CarbonCure has been used on thousands of projects ranging from healthcare to higher education, residential developments, and corporate campuses.

For more information about building with CarbonCure concrete, visit carboncure.com. To get in touch with a CarbonCure representative, send us an email at info@carboncure.com or give us a call at +1 (902) 448-4100 (Worldwide) or +1 (844) 407-0032 (North America).