

A Journey from Bioenergy Research to Concrete Technology Entrepreneurship

Jonne Hirvonen
Carbonaide



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Chief Operating Officer, Co-founder

8%

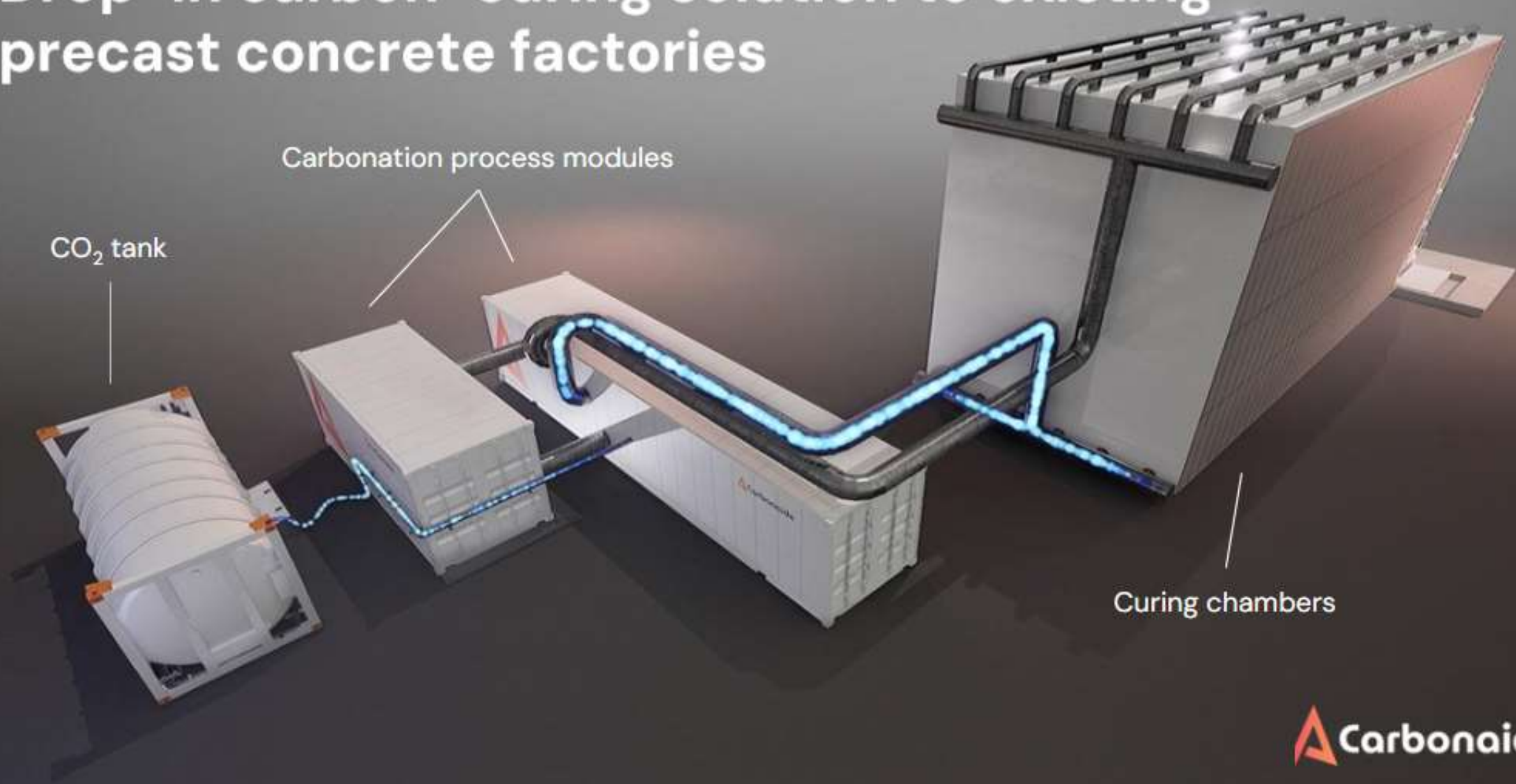
Concrete's heavy burden on
global GHG emissions

= 10 Bm³ of concrete each year

We wanted to do something
about it at VTT.

Carbonaide was born.

Drop-in carbon-curing solution to existing precast concrete factories



Not just storing of CO₂

1. 20-50% less cement needed
2. Enabling new binders
3. Accelerating production speed
4. Making 2nd most used man-made material into permanent carbon-storage



Constantly increasing cement prices: solution well received by the conservative industry.

Turning research into business

Tapio Vehmas: concrete

Jonne Hirvonen: energy & CO₂

Founded in 2022, now team of seven with three clients soon onboarded in Finland.

Next to Europe and concrete elements.





Be curious on adapting your expertise on new topics - and good things will happen.





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