

Litherm –
fully electric kiln
for carbon–neutral
cement & lime production

CEO Felix Nelles

Cement & lime production contribute 8% of global CO2 emissions 🗱 Litherm

Cement & lime are essential—with no carbonneutral alternatives for many applications.

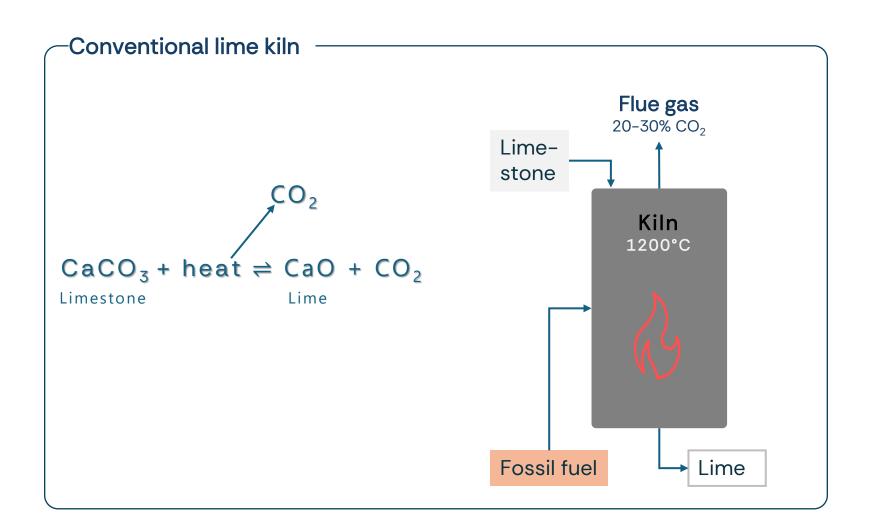
EU cement producers must purchase CO₂ certificates for <u>all</u> emissions from 2034.

~50 B€ investment is required to decarbonize this industry in Europe & North America.



Conventional lime kilns – highly efficient but burning fuels

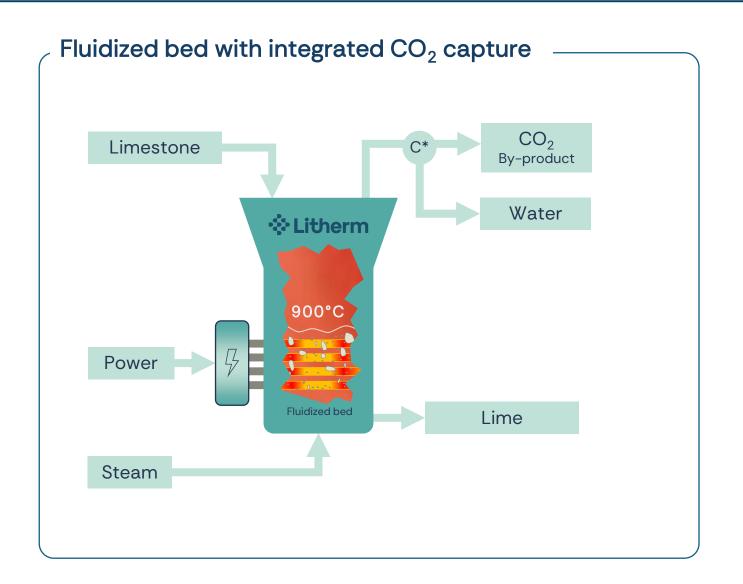




- Highly efficient
- CO₂ from two sources
- ~1,1 t CO₂ per t lime
- Low CO_2 conc. in flue gas

Our patented technology for carbon-neutral cement & lime

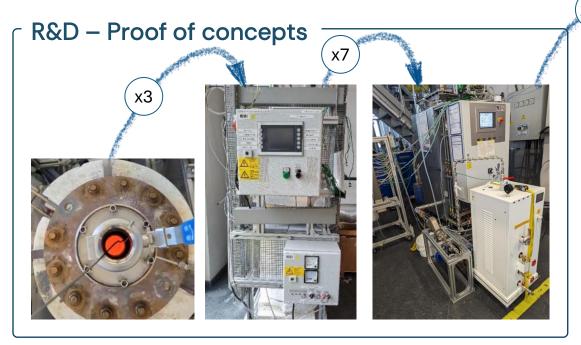




- Fully electric
- **2** Zero fuel emissions
- Integrated CO₂ capture
- η Highly efficient
- Extremely compact
- Suitable for cement clinker

Step-by-step upscaling as the basis for a pilot and demo system **Litherm**





First fully electric produced lime & cement





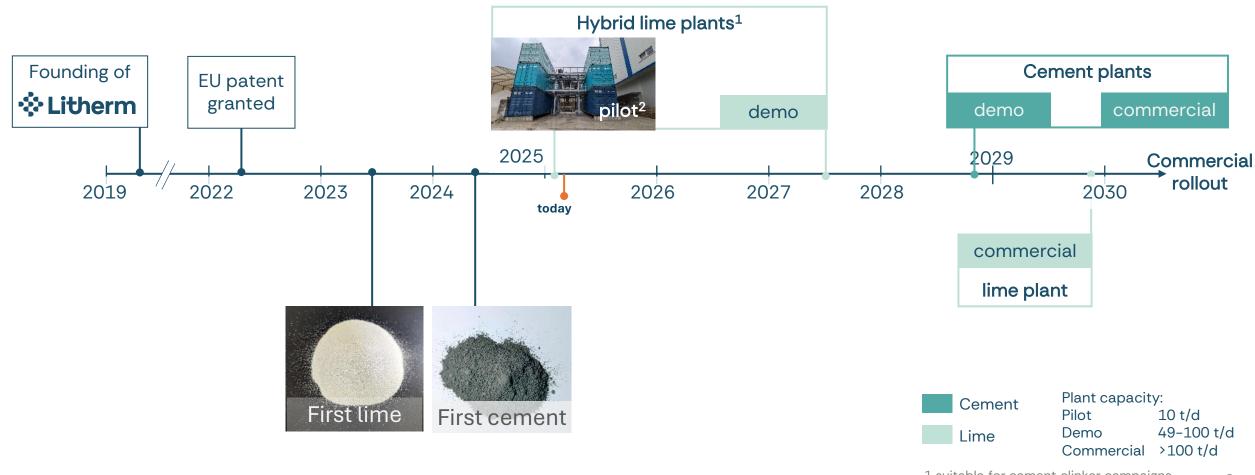




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Technology development and commercialization roadmap





Our ask for the next phase on our commercialization roadmap is 6.4 m€



Milestones until end of 2027

Pilot plant - 10 tpd lime

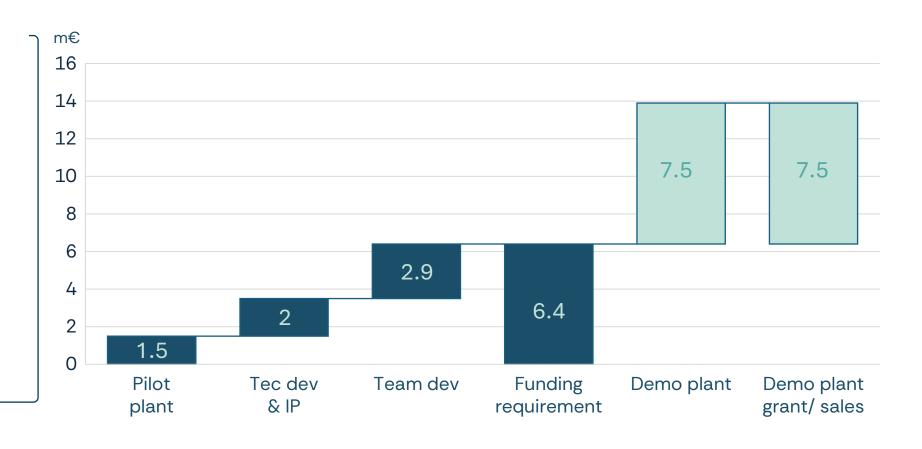
- Product test campaigns
- Long term operation

Demo plant - 50 tpd lime

- Engineering completed
- · Customer contract signed

Commercial

- EPC partnership
- Sales pipeline development

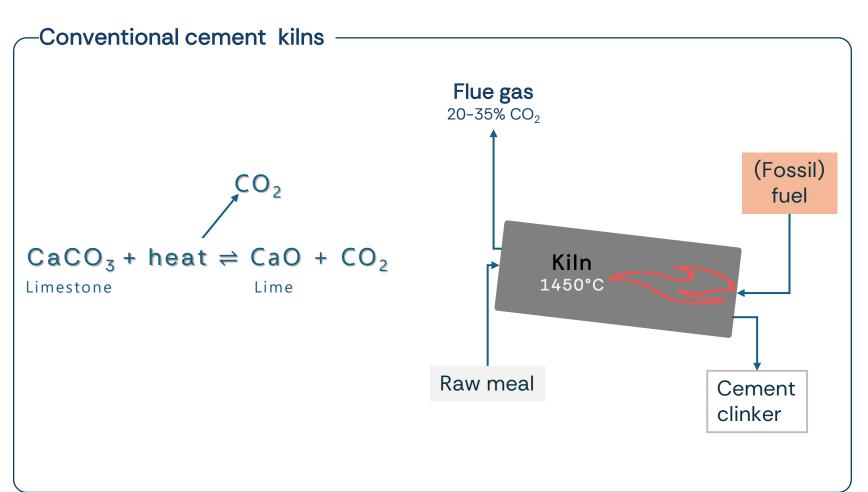


We are looking for 6.4 m€ in funds to hire key staff, upgrade the pilot plant, execute pilot plant test campaigns & develop the demo plant.



Conventional cement kilns – highly efficient but burning fuels





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