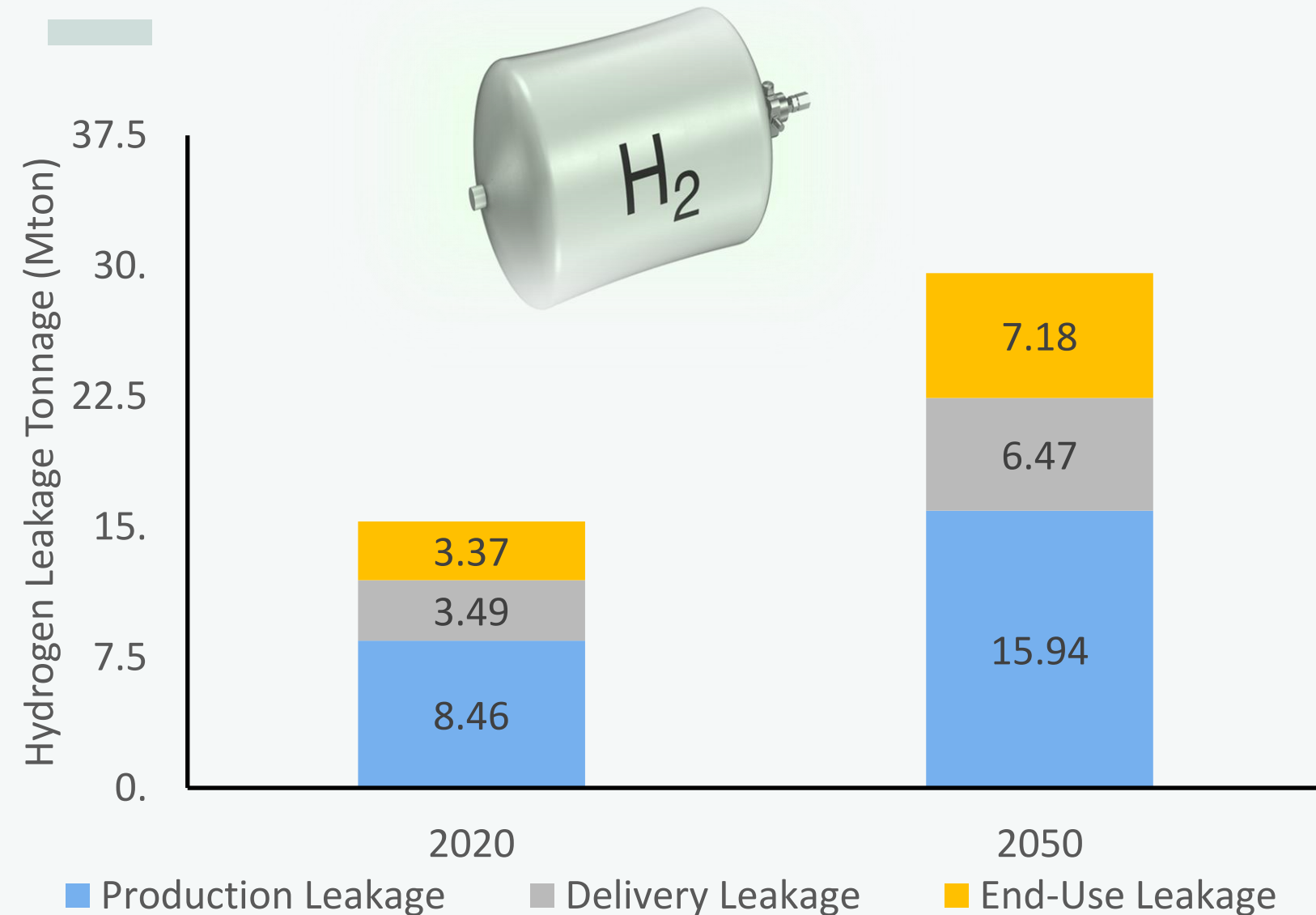




Enabling the green transition with graphene

Dr. Mamoun Taher
Founder & CEO

Hydrogen leaks are BAD



Hydrogen is the **smallest and lightest molecule**
1/50000 the thickness of a hair

<https://www.theguardian.com/environment/2022>
<https://www.energypolicy.columbia.edu>



Hydrogen Waste (2020 - 2050)

~ **15 - 29 Mton H₂/year**

Leaks into the atmosphere



Waste of Cash (2020 - 2050)

~ **€56 - 100 billion/year**

Green hydrogen price: ~ 3,7 €/kg



Environmental Damage

Hydrogen has **11 times** higher
global warming potential than CO₂

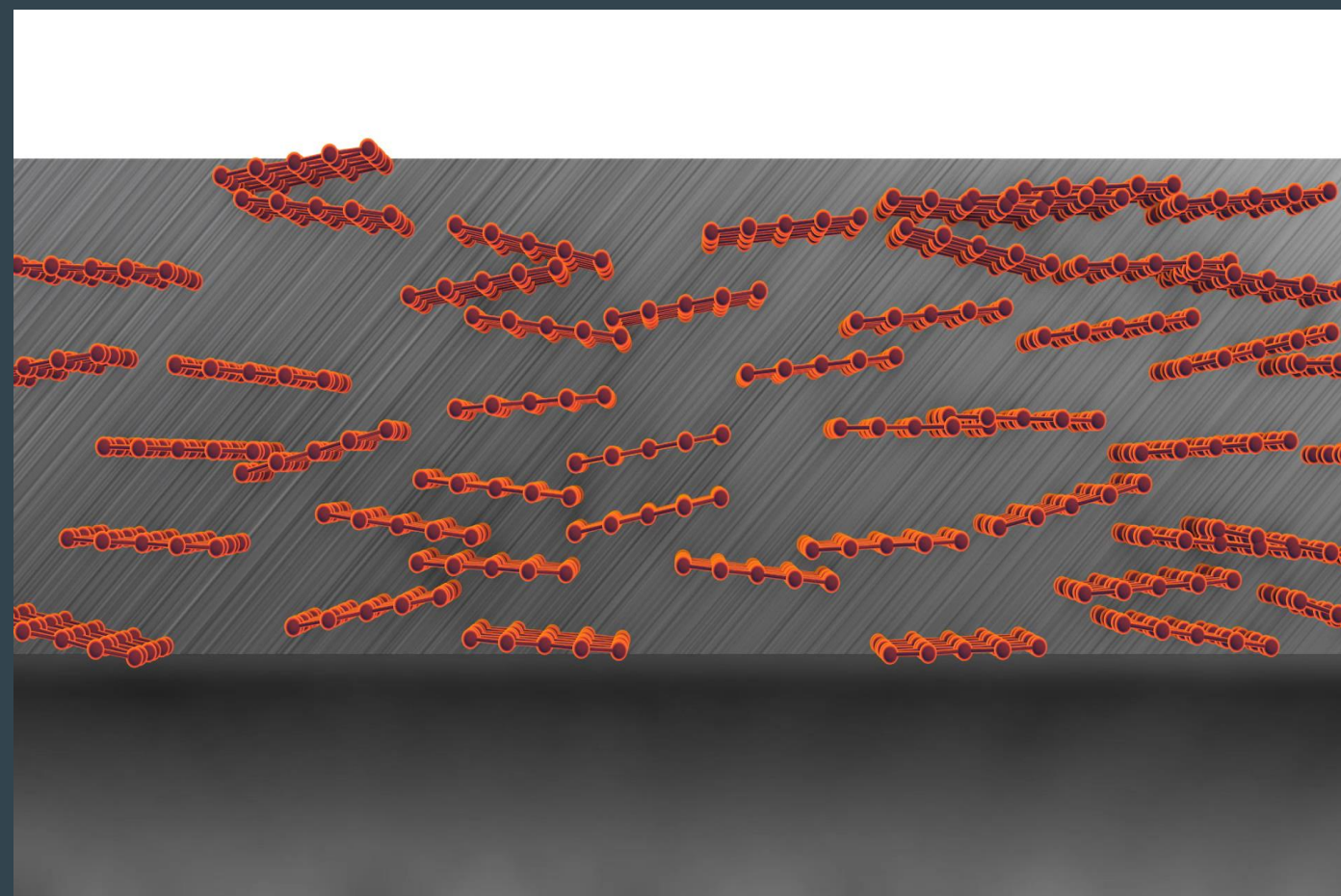


Environmental Damage (2020 - 2050)

~ **165 - 319 Mton of CO₂e /year**

from leaking hydrogen

SOLUTION: Graphene barrier reduces hydrogen leakage by 41%



Engineered at the nanoscale to IMPACT
at GLOBAL scale

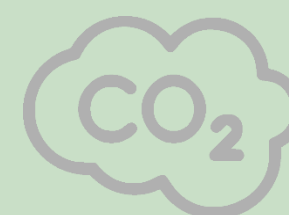
Reducing hydrogen leaks has an IMPACT



Cash saved (2020 - 2050)

—
~ €23 - 41 billion/year

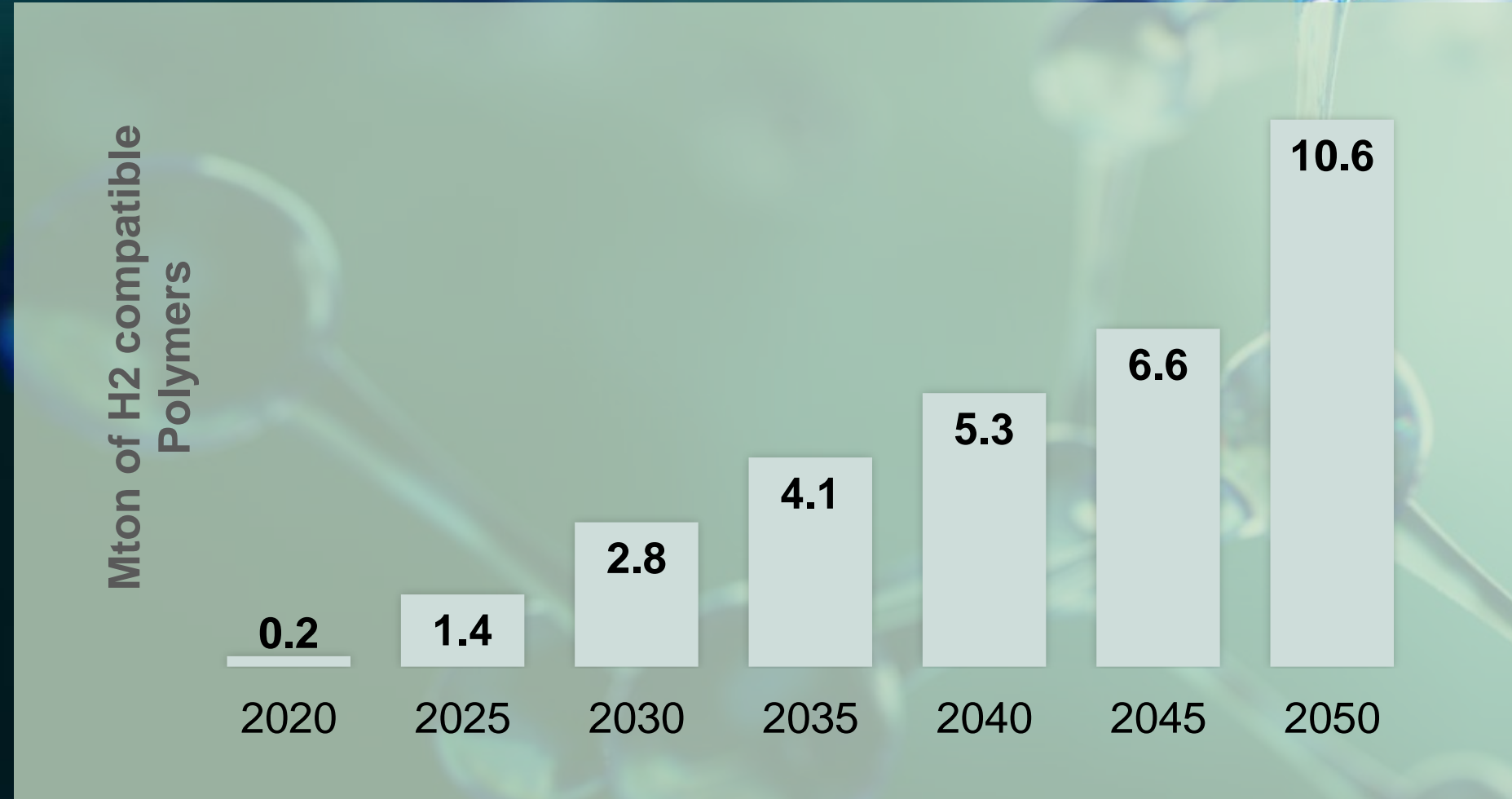
Green hydrogen price: ~ 3,7 €/kg



Environmental Damage averted (2020 - 2050)

—
**~ 67 - 130 Mton of CO2e /year
from leaking hydrogen**

Huge Growing Demand



in 2030

28,000 km of H2 Pipeline
(Polymer weight: 100 ton/km)

2,5 million H2 vessels
(Polymer liner weight: 4 kg/vessel)

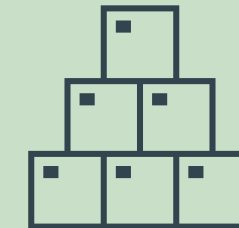
Market Pull and Customer Engagement

Partnerships

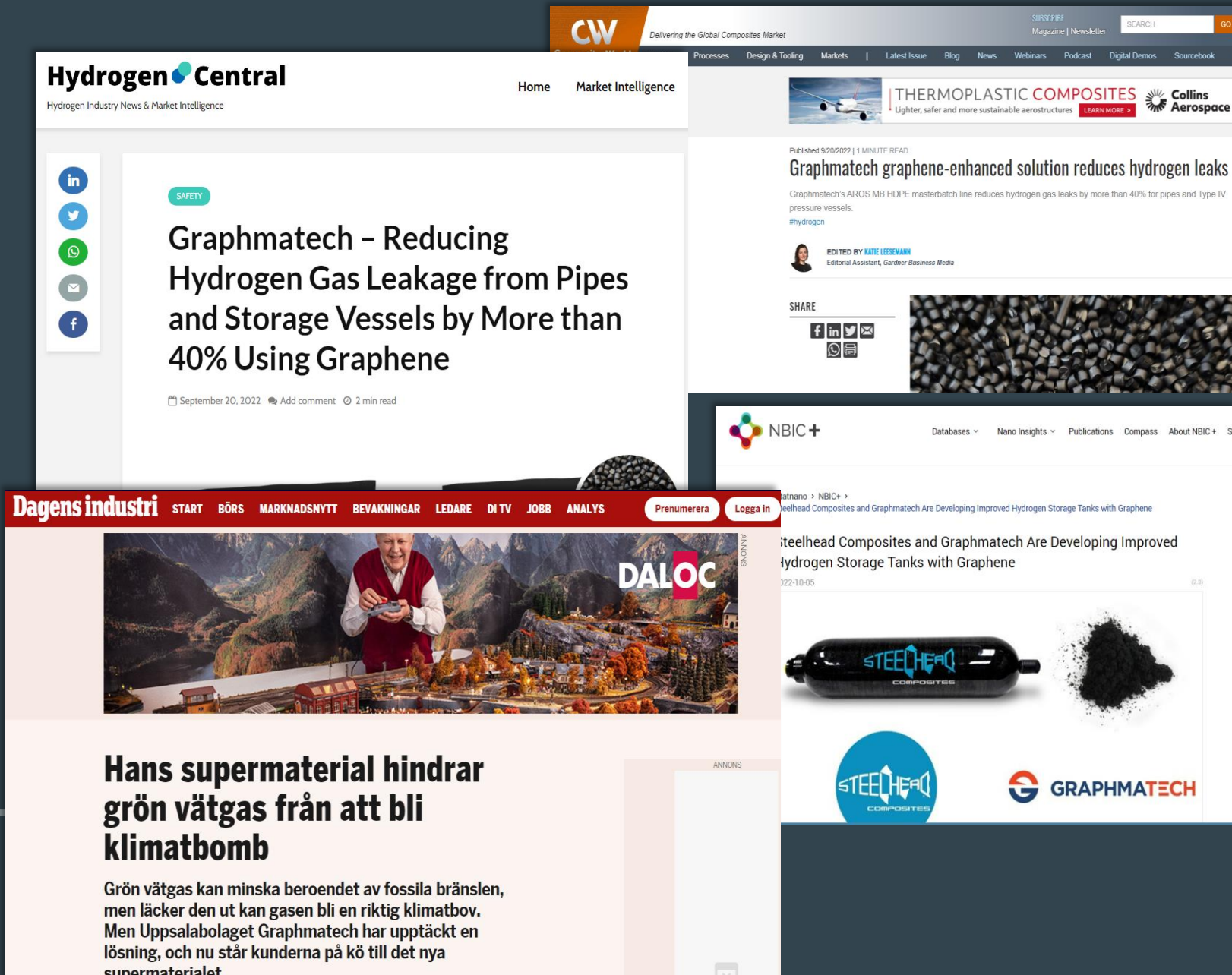


2 signed MOUs and 4
in the pipeline
Both vessel and pipe
manufacturers

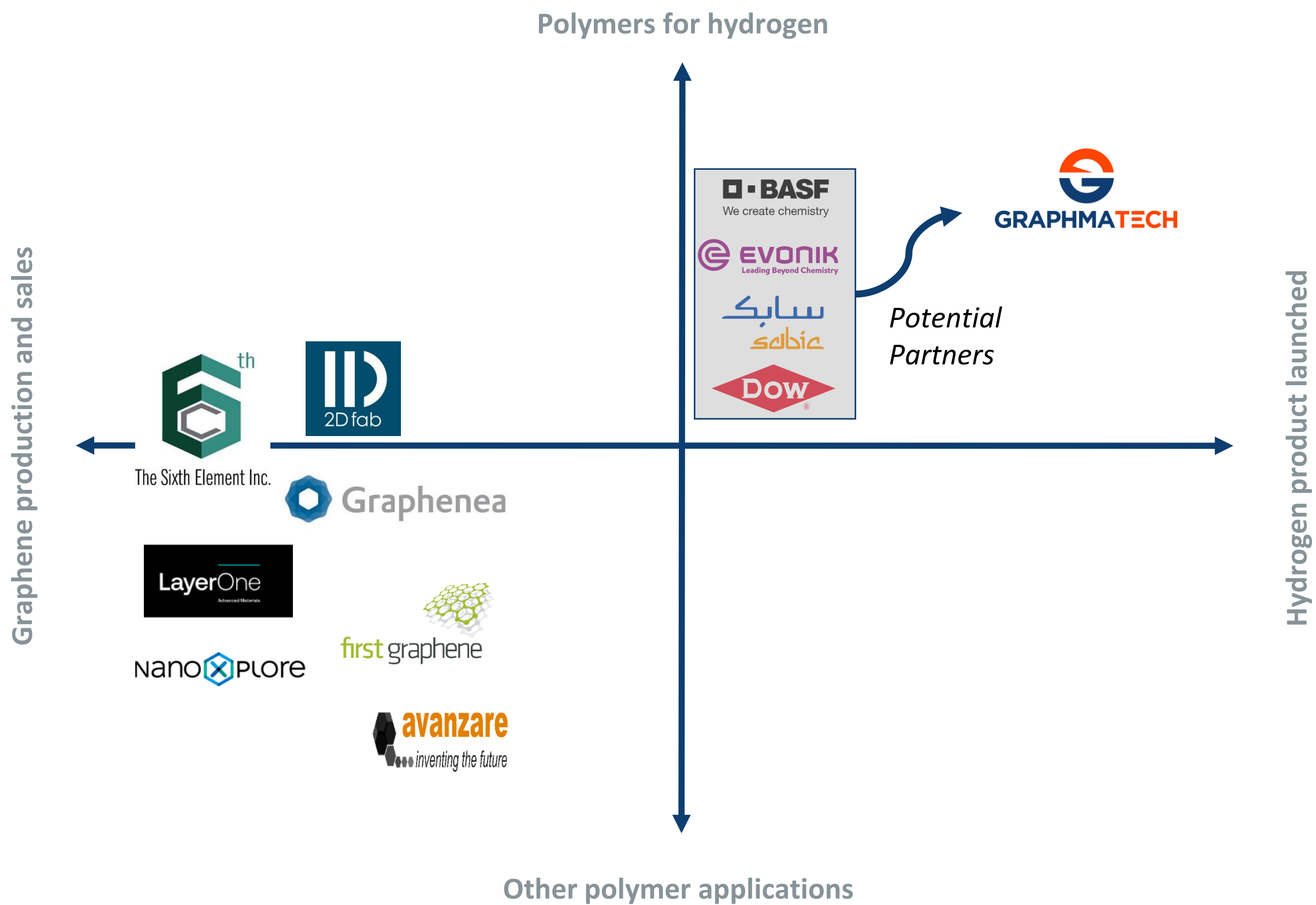
Order Backlog



4 month order backlog
3 weeks after launch



Competitive position



Capitalizing on our Momentum



Target: €10M



40 % committed
from current investors



Climate Tech,
CVCs, VCs

Want 10M EUR to:

- ✓ Increase production capacity
- ✓ Increase sales capacity
- ✓ Increase customer project management capacity
- ✓ Develop, patent, and launch more products



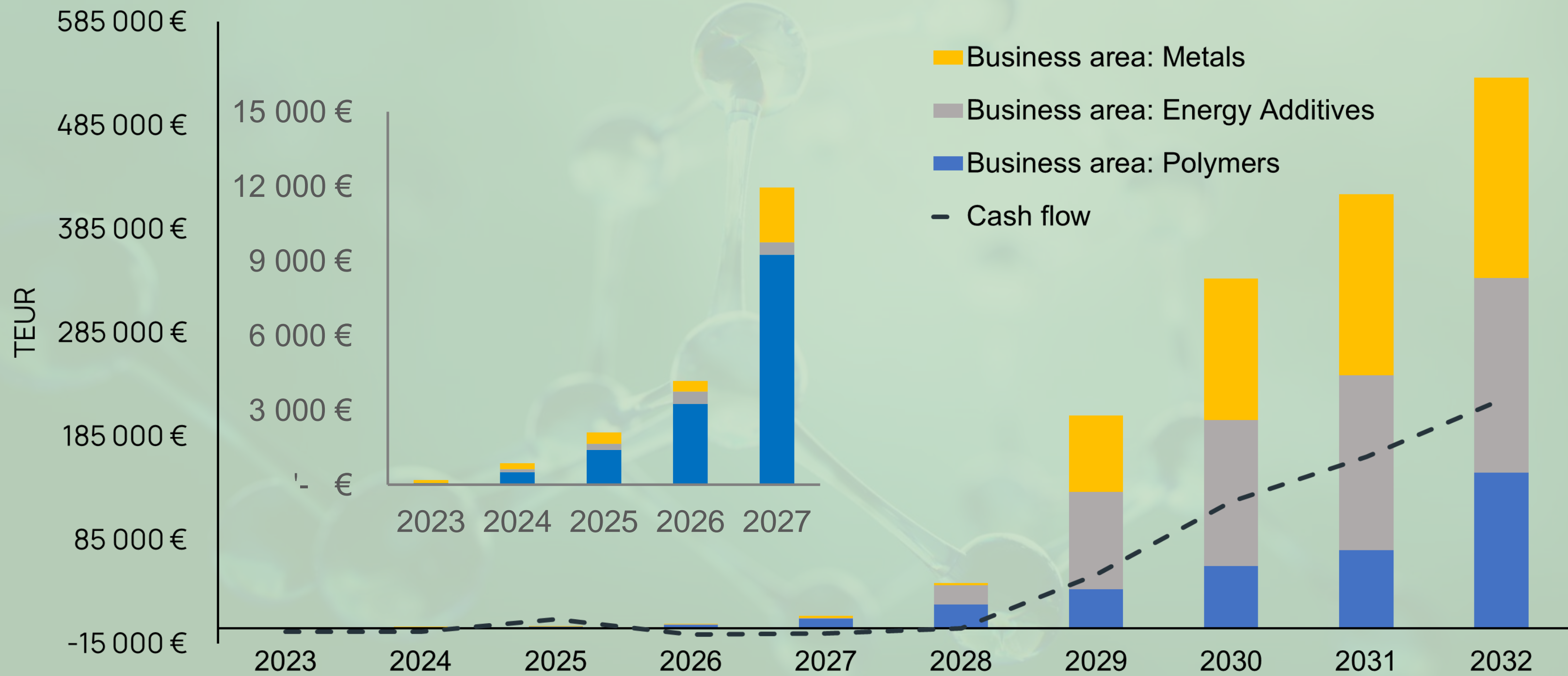
Current investors



Supported by



Financial Plan



Pioneering Team

- ✓ 6 PhDs in material science
- ✓ 10 years of material sales experience
- ✓ 8 nationalities
- ✓ Gender balanced



Dr Mamoun Taher
Founder & CEO, CTO



Stefan Hvalgren
Sales & Marketing



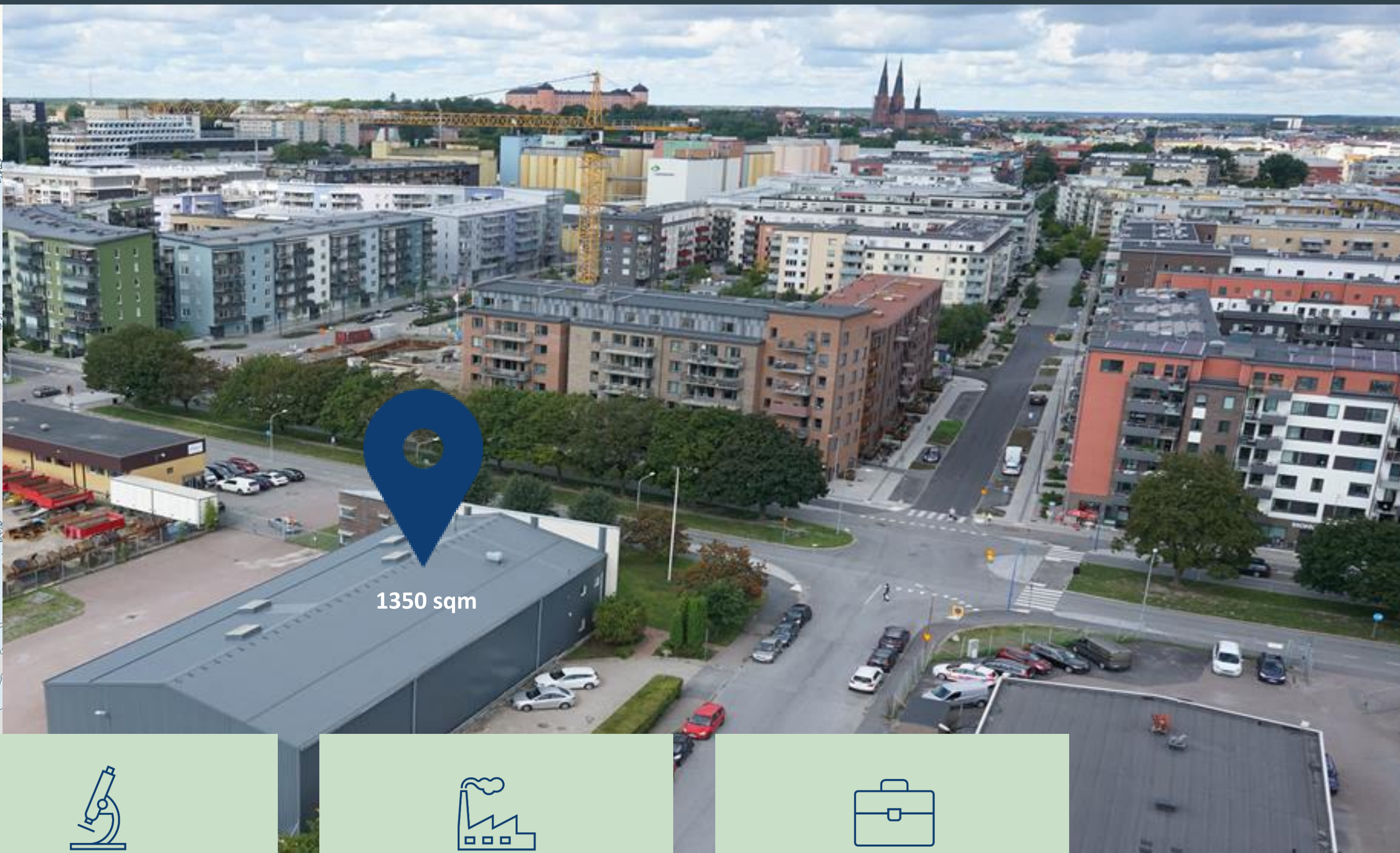
Jane Carlgren
CFO



Dr. Marie Vennström
Business Development Manager



Dr. Cecilia Århammar
R&D Manager



Research
laboratory



Production
facility



Corporate office

Thanks for listening!

Dr. Mamoun Taher

Founder & CEO

mamoun.taher@graphmatech.com

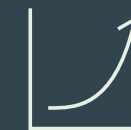
Graphmatech – a climate tech company



Enabling the green transition



Proven strong patented technology platform



Proving growing market demand



Gigaton CO₂ saving potential



Circular business model



Strategic sustainability