

# Capital Markets Day

31 August 2021

Cambi ASA



# Capital Markets Day 2021

## Agenda

Eirik Fadnes	CEO Cambi Group	Second-quarter report
Lluis Soler	EVP Operations	Status on project deliveries
Q&A		
Per Lillebø	President and CEO Cambi ASA	
Julien Chauzy	Sales Director APAC	Sales updates from selected markets
Bill Barber	Technical Director	Carbon footprint – the impact of THP
Maarten Kanters	Managing Director Cambi Invest	Update on new business areas
Q&A		



# Cambi ASA

## Q2 2021

Eirik Fadnes, CEO Cambi Group



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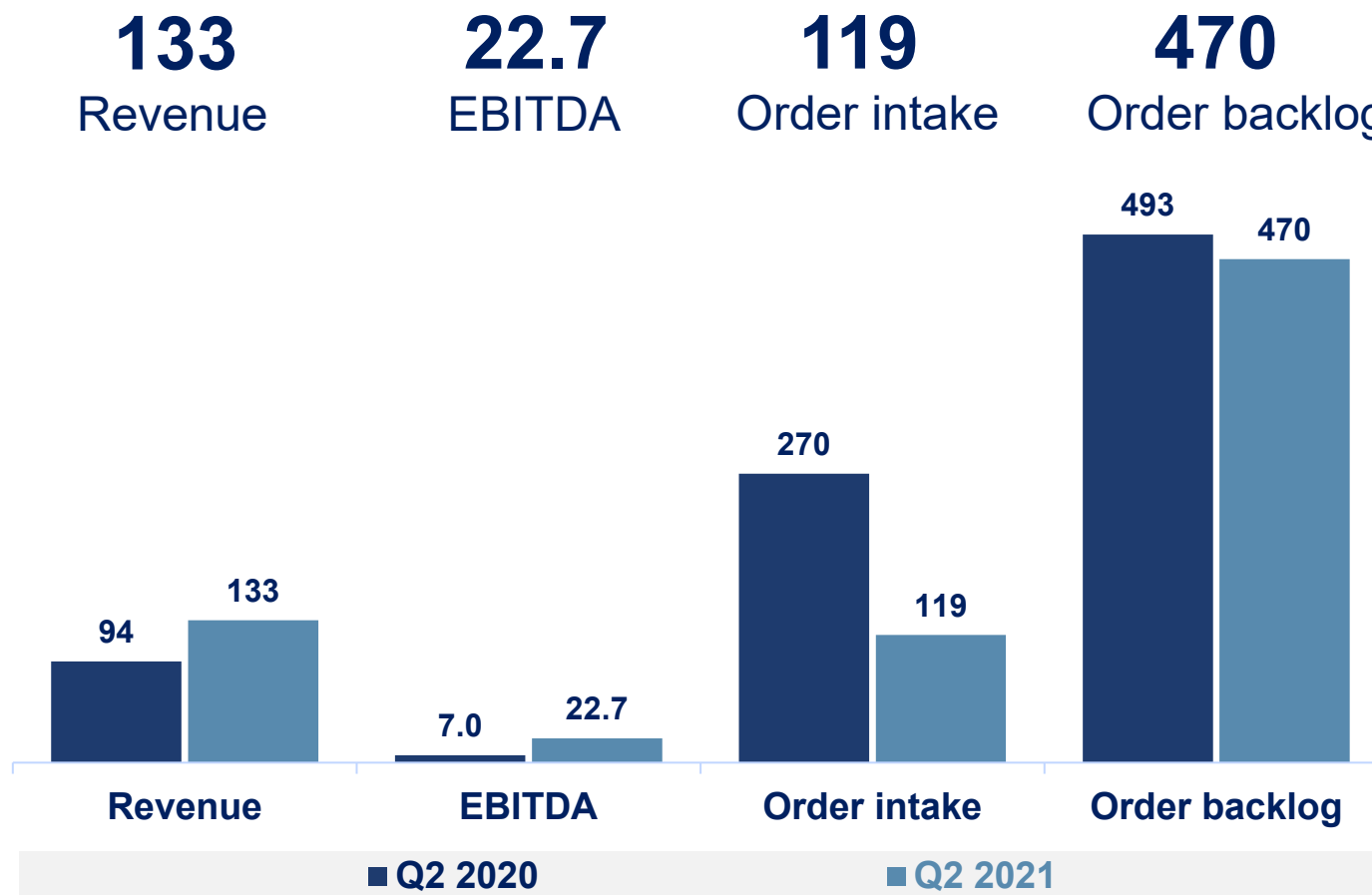
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# Q2 2021 | Revenue, EBITDA and pipeline growth

- Revenue growth across all segments
- EBITDA margin expansion of 970 basis points (bps) to 17.1%
- Order intake down 56%
- Order backlog up 3% at constant currency\*

\*Based on constant currency using 2020 foreign exchange rates



Numbers are in million NOK



# Q2 2021 | Order intake down 56%

Fewer projects awarded in the market



## Warsaw, Poland

This is Cambi's first project with this thermal hydrolysis configuration, set to maximise biogas production and biosolids dewatering, reducing energy, transportation, and incineration costs.



## Trondheim, Norway

Grønn Vekst was awarded a contract for handling and composting garden waste in Trondheim. Firm duration of 18 months, with two options for one-year extensions.



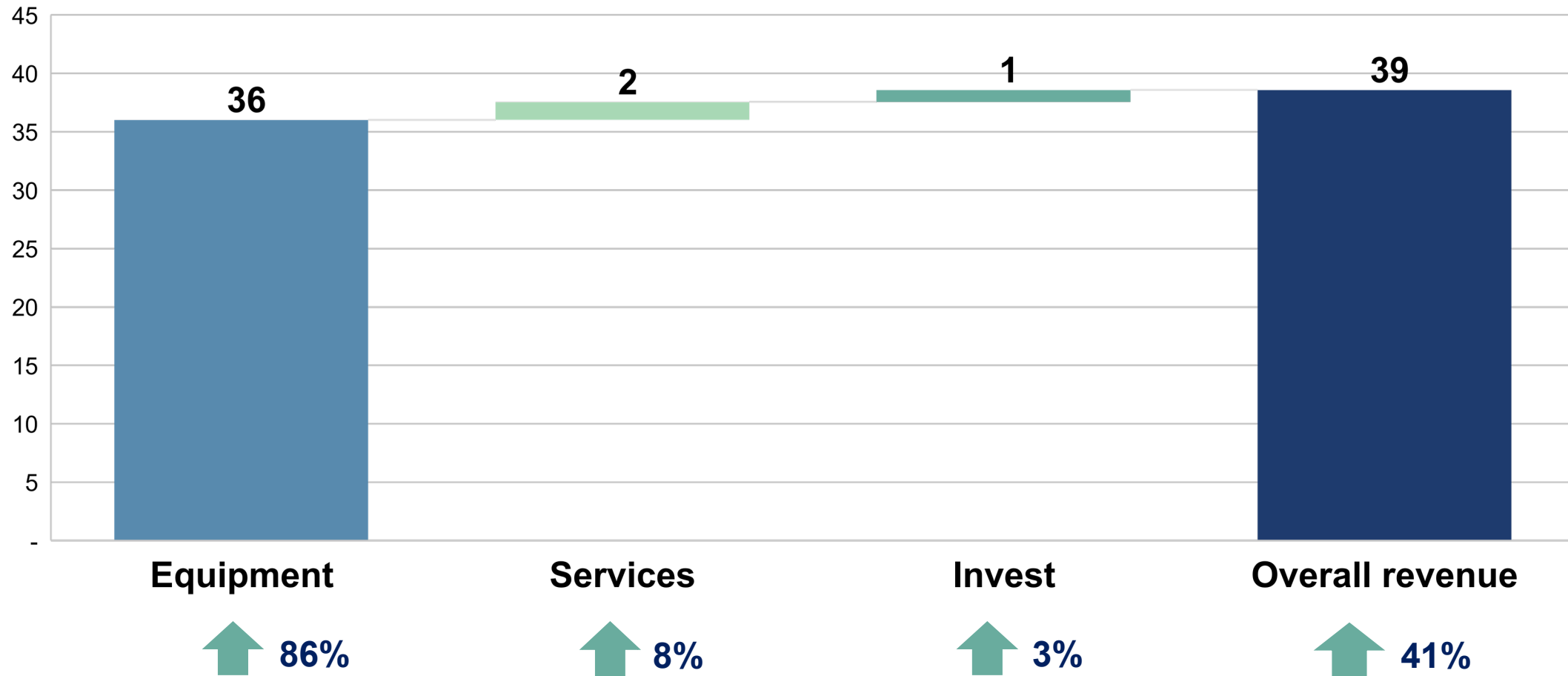
## Jarocin, Poland

This is Cambi's fourth project in Poland, strengthening the company's position as a leader in sustainable sewage sludge treatment in this market.



# Q2 2021 | Revenue growth across all segments

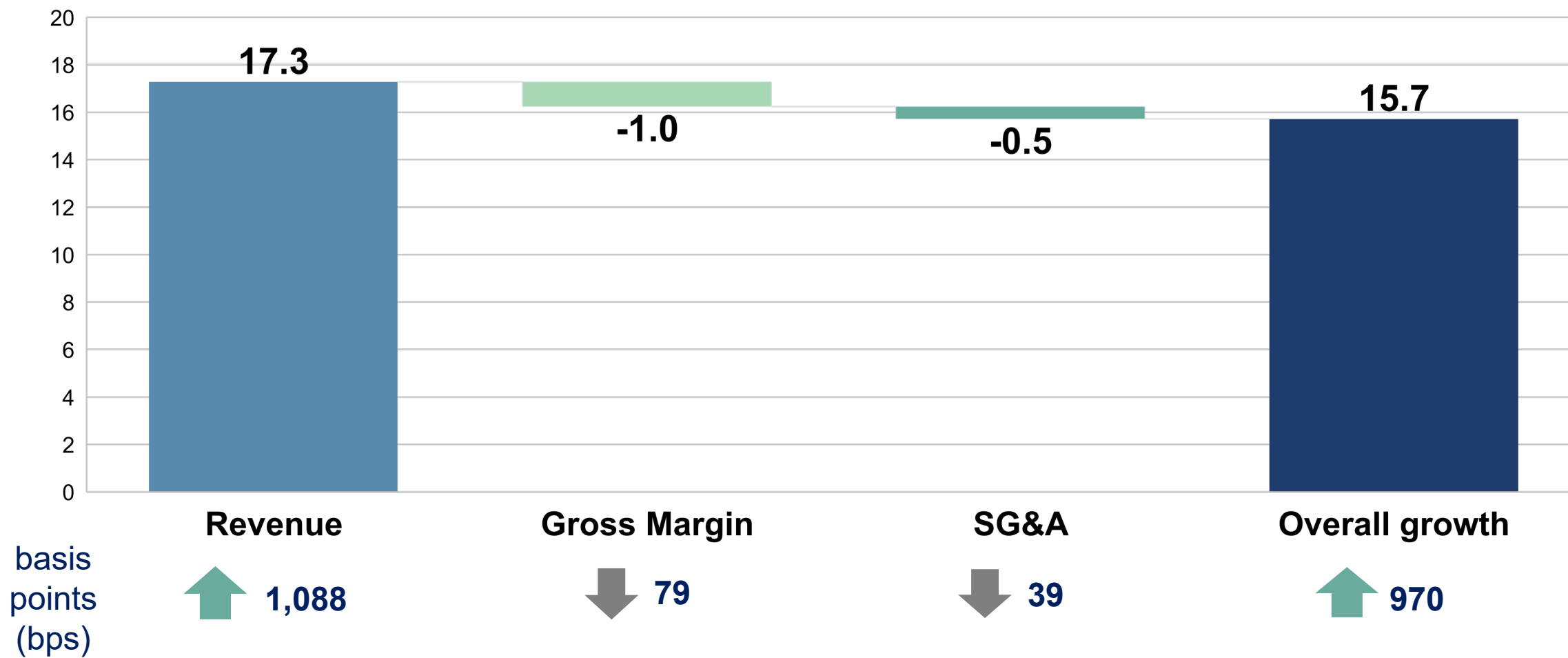
Revenue development by segment | Q2 2021 vs. Q2 2020 | Million NOK





# Q2 2021 | EBITDA growth due to scalability

EBITDA growth | Q2 2021 vs. Q2 2020 | Million NOK

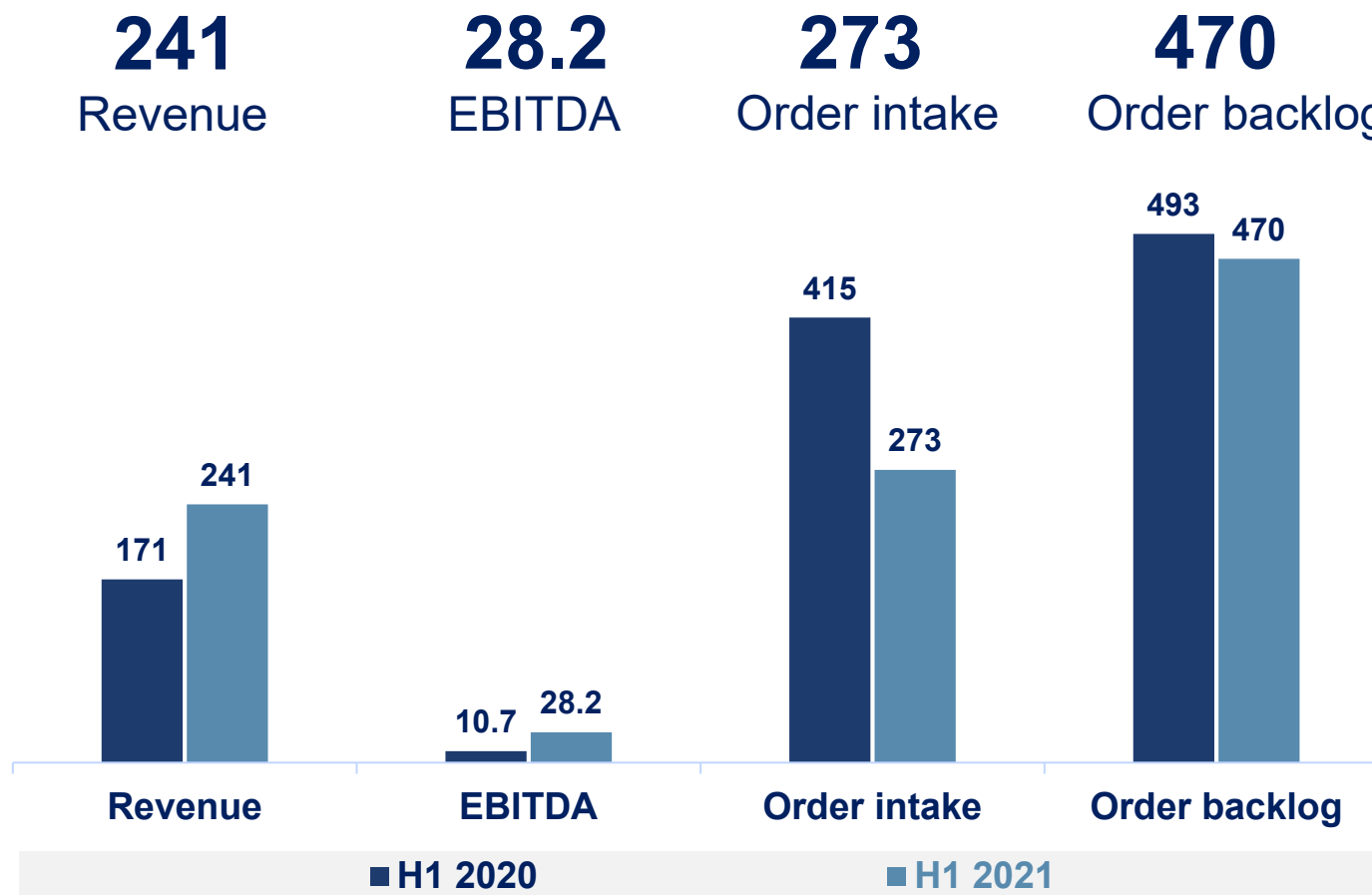




# H1 2021 | Order backlog up 7.3% from 4Q20

- Revenue growth of 41%
- EBITDA margin expansion before non-recurring items of 545 bps to 11.7%
- Order intake down 34%
- Order backlog up 3% at constant currency\*

\*Based on constant currency using 2021 foreign exchange rates

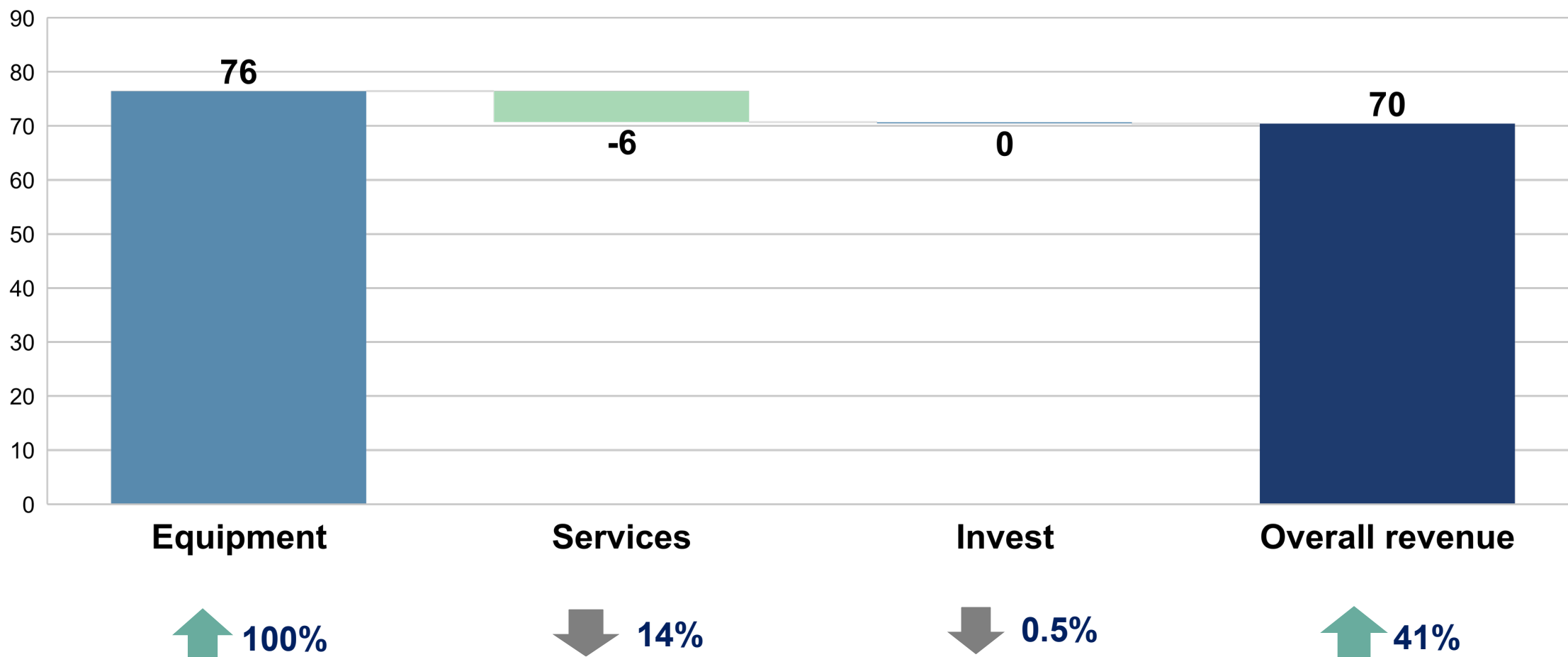


Numbers are in million NOK



# H1 2021 | Equipment driving revenue growth

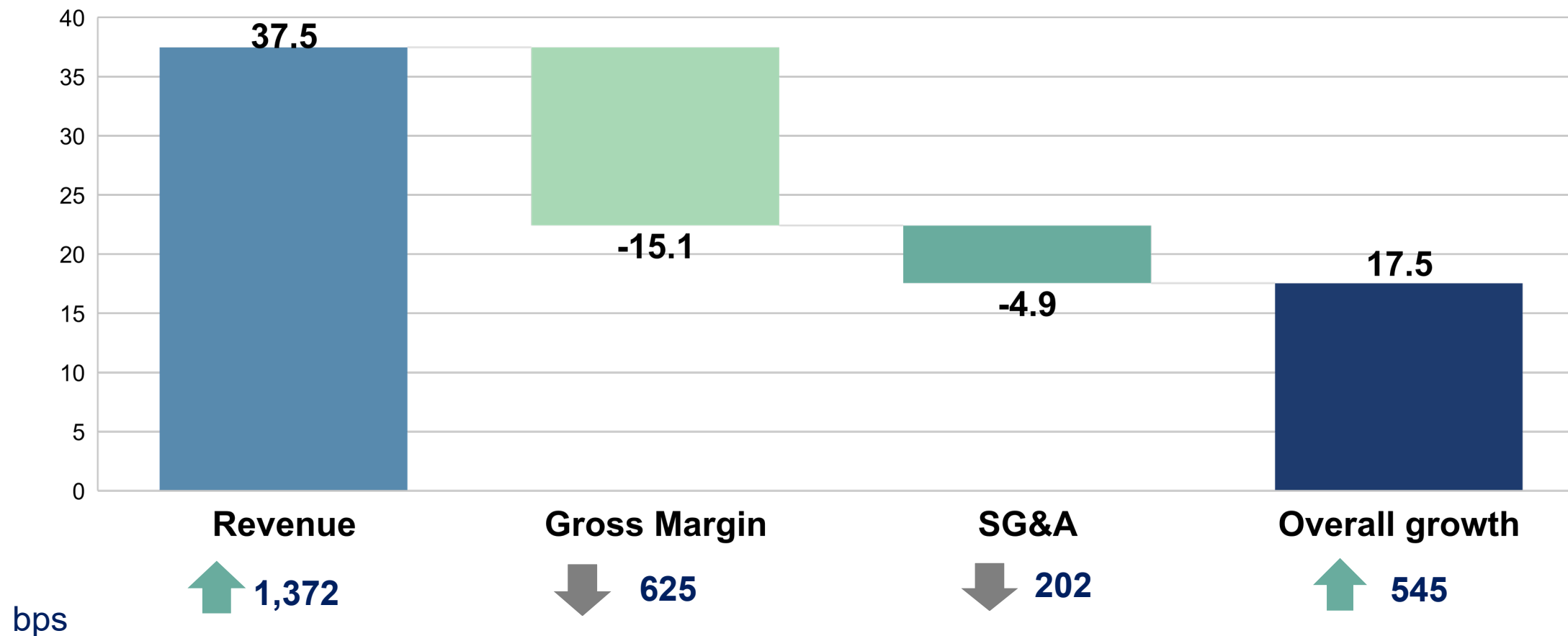
Revenue development by segment | H1 2021 vs. H1 2020 | Million NOK





# H1 2021 | Revenue mix and challenging weather lowering GM %

EBITDA growth | H1 2021 vs. H1 2020 | Million NOK

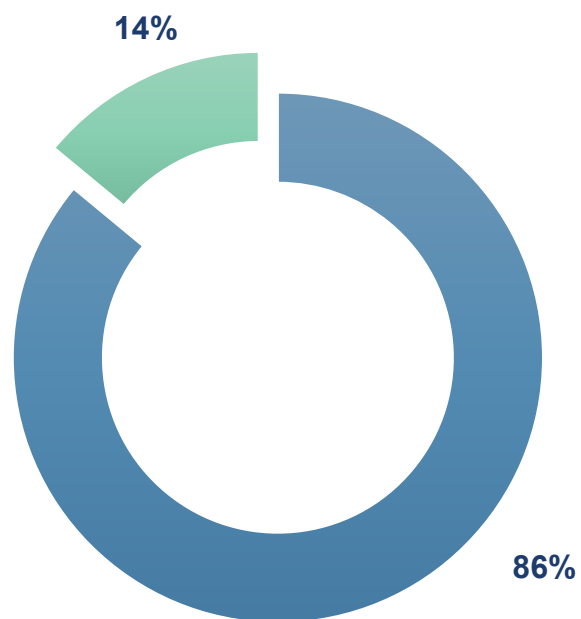




# Backlog distribution

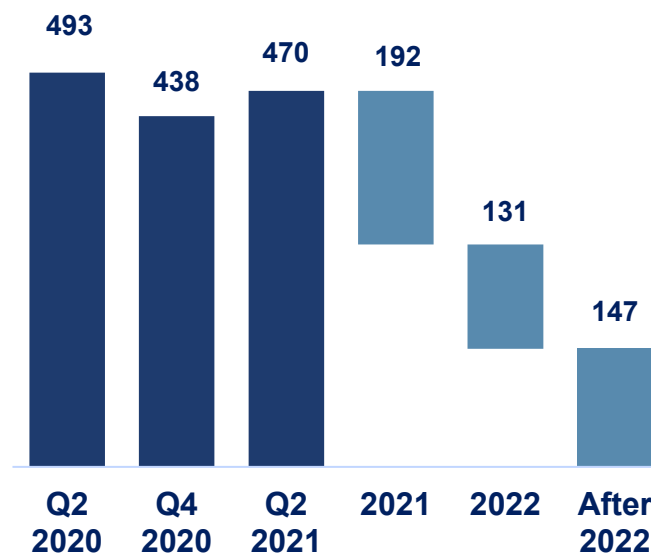
June 2021

## Backlog by segment



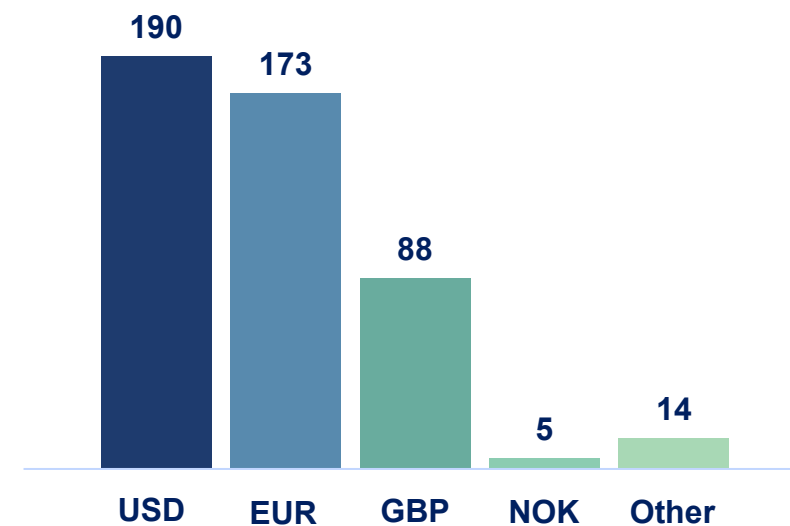
■ Cambi Group  
■ Cambi Invest

## Backlog distribution



Numbers are in million NOK

## Backlog by currency



NOK equivalent at Q2021 FX



# Cambi holds a solid financial position

Unaudited, in NOK million

Assets	Q2 2021	Q2 2020	Year 2020
Intangible assets	46.9	45.9	45.4
Tangible assets	20.4	16.5	20.2
Financial assets	2.0	2.4	2.1
<b>Total non-current assets</b>	<b>69.4</b>	<b>64.8</b>	<b>67.7</b>
Inventories	42.6	25.2	27.3
Debtors	157.8	121.0	141.6
Financial assets	200.2	-	-
Bank deposits	129.1	40.7	46.0
<b>Total current assets</b>	<b>529.7</b>	<b>186.9</b>	<b>214.8</b>
<b>Total assets</b>	<b>599.1</b>	<b>251.7</b>	<b>282.6</b>

Unaudited, in NOK million

Equity	Q2 2021	Q2 2020	Year 2020
<b>Total equity</b>	<b>442.9</b>	<b>133.2</b>	<b>138.4</b>

Unaudited, in NOK million

Liabilities	Q2 2021	Q2 2020	Year 2020
Non-current liabilities	11.9	17.5	14.7
Current liabilities	144.2	101.0	129.5
<b>Total liabilities</b>	<b>156.1</b>	<b>118.5</b>	<b>144.2</b>
<b>Total equity and liabilities</b>	<b>599.1</b>	<b>251.7</b>	<b>282.6</b>



# Outlook

- Revenue estimated between 480 and 510 million
- NOK 47 million in spare parts sales, soil sales and new equipment contracts during the second half-year to reach lower end of the range
- EBITDA margin estimated between 12 and 14 per cent





# Status on project deliveries

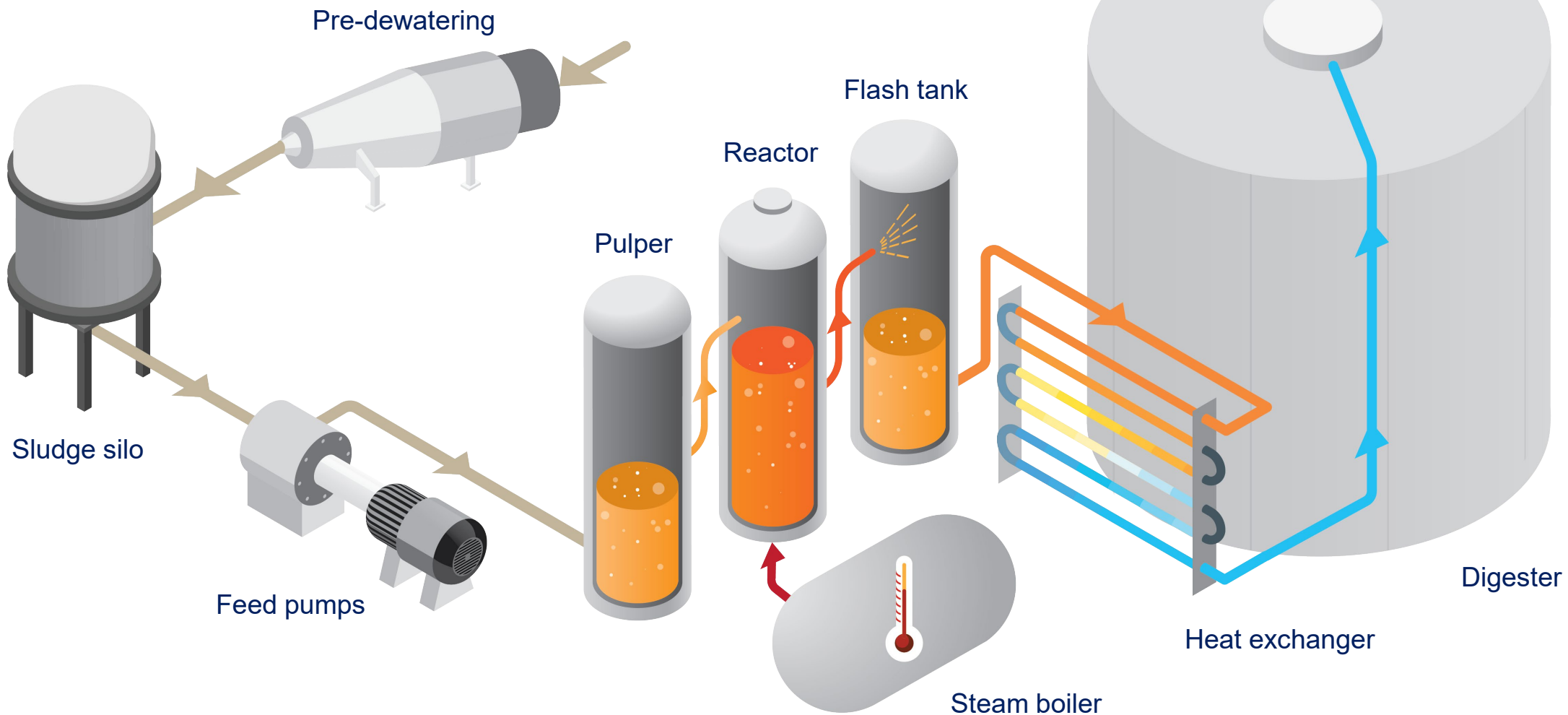
Lluís Soler, EVP Operations



# Cambi projects

Scope in Advanced Anaerobic Digestion

**CAMBI** sludge line





# Cambi projects

Standardised, modular solutions

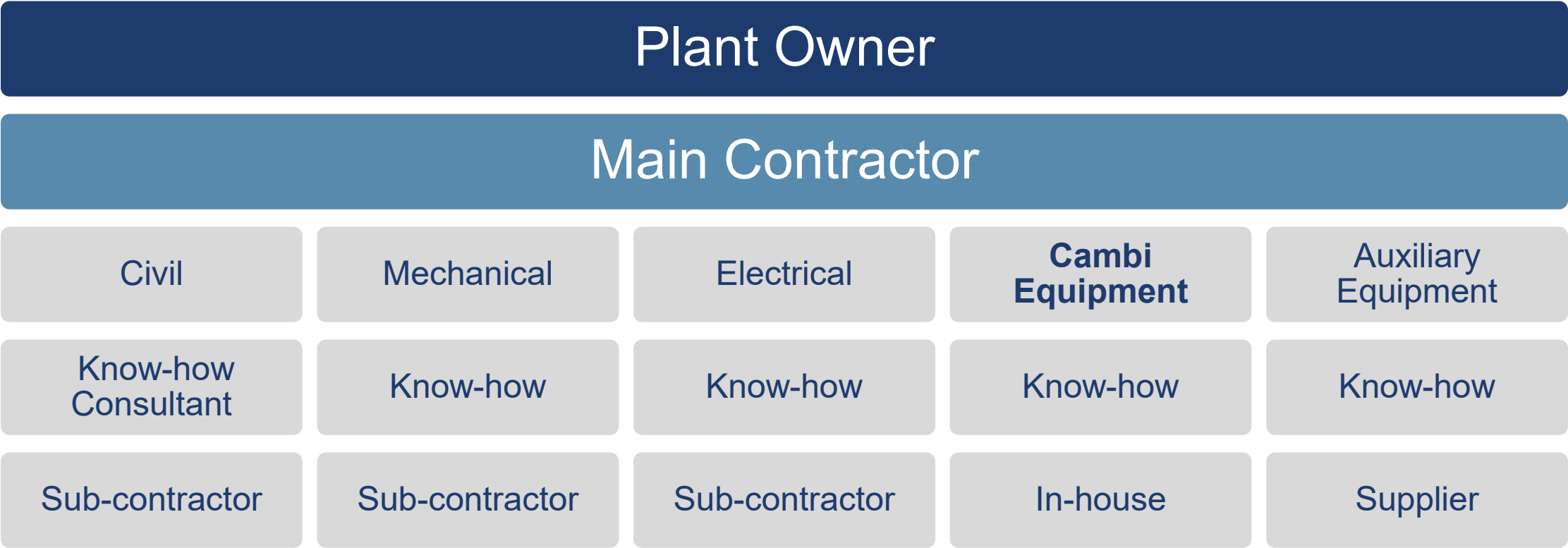
**CAMBI** sludge line





# Project scope

Overview – EPC project environment





# Cambi projects

Operations – How are we organised?

## Headquarters

- Project Manager
- Site & Commissioning
- Legal
- Engineering
- Support functions

## USA

- Project Manager
- Site & Commissioning

## UK

- Manufacturing
- Project Manager
- Site & commissioning
- QA

## China

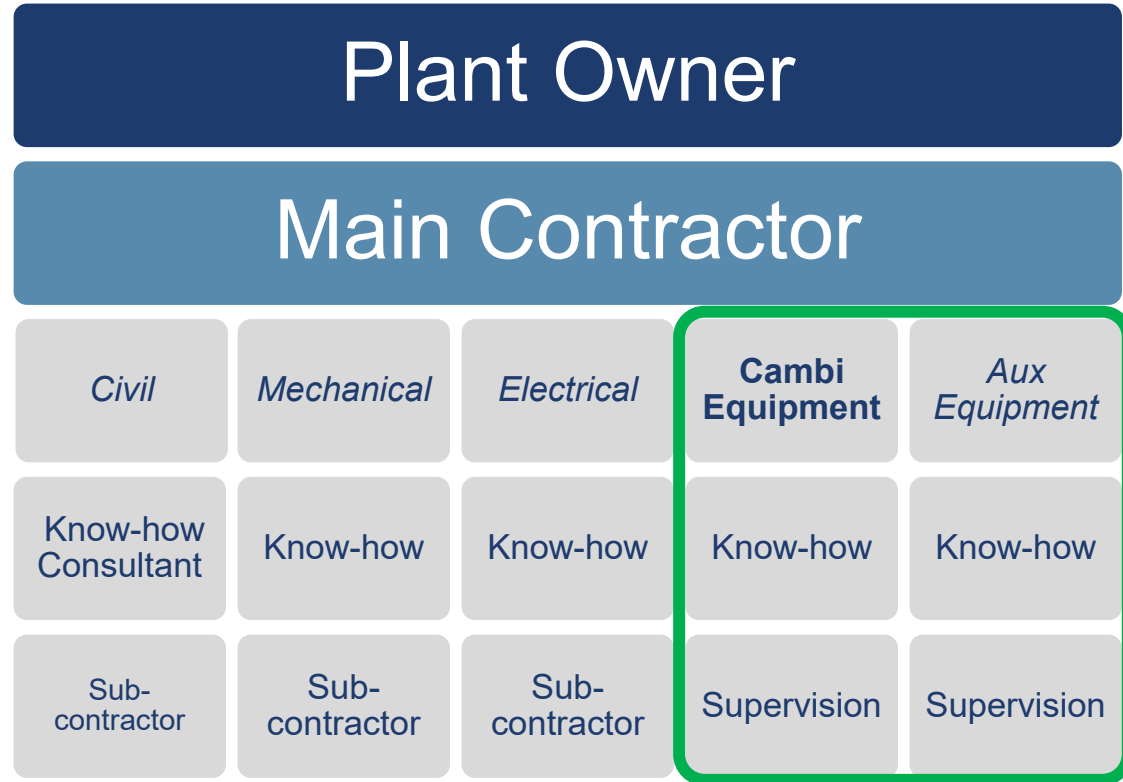
- Project Manager
- Site & Commissioning



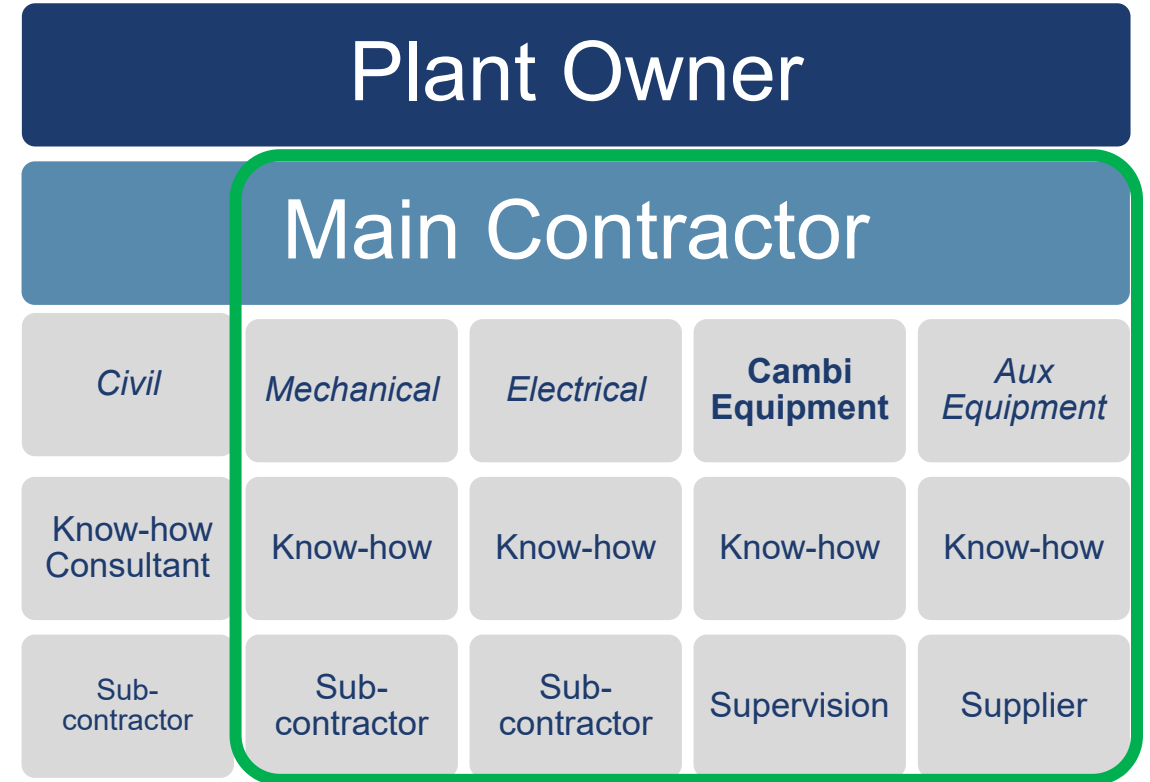
# Project scope

Example from two projects with different scope

## Washington DC – Piscataway (WSSC)



## Verdal – Ecopro





# Cambi projects

## Strengths & Results

### Strengths

- Flexibility
- Standardised solutions
- Local presence
- HQ expertise
- Own production



### Results

- On time
- On budget
- High quality
- Highly efficient



# Customers

## Customer Satisfaction – Q2 2021

### Strongford



*“All the Cambi staff I have dealt with are extremely competent, they have extensive knowledge of the product, helpful and courteous, even in difficult situations.”*

*“Cambi have been a very helpful and open partner throughout the project, I would hope to work with them on future projects.”*

### Oxley Creek



*“Cambi were essential to the successful delivery of the upgrade project. Their site personnel went above and beyond the requirements to making sure that the upgraded system worked «as sold».”*

# 93%

Average satisfaction  
score

- Timeliness
- Reliability
- Working methods
- Professionalism
- Finding solutions
- Availability
- Training
- Relationship



# Cambi projects

Status overview – Q2 2021

	Q2	US	CN	UK	HQ
Execution	21	7	4	3	7
Engineering	8	Calgary, AB Kansas City, MO	Hong Kong	Burgess Hill, UK	Lviv Ecopro upgrade Warsaw Jarocin
Manufacturing	4	Raleigh, NC Piscataway (WSSC)	Beijing – Gaoantun upgrade (PGU)	-	Sasol
Installation	5	Dallas, TX Franklin, TN	Chongqing	Coventry	Panama City
Commissioning	2	-	-	Nottingham	Sydney
Performance (Operation)	2	Virginia Beach, VA	Beijing – Qinghe 2	-	-



# Cambi projects

Milestones - Q2 2021

	Q2	All	Notes
Milestones	10	10	Achieved at end of Q2
Engineering	2	Burgess Hill – Goddards Green (UK) Verdal – Ecopro upgrade (NO)	(+) Fully operative
Manufacturing	4	Secunda – Sasol (ZA) Raleigh, NC – Neuse River (US) Washington DC – Piscataway (US) Beijing – Gaoantun upgrade (CN)	(+) Fully operative (-) Longer lead time key materials (-) Cost increase in raw materials
Installation	1	Chongqing – Luoqi (CN)	(-) Covid: Panama City – Arraijan (PA)
Commissioning	1	Nottingham – Stoke Bardolph (UK)	(-) Covid: Sydney – St Mary's (AU)
Performance (Operation)	2	Virginia Beach – Atlantic (USA) Beijing – Qinghe 2 (CN)	



# Q&A



# Capital Markets Day 2021

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Julien Chauzy	Sales Director APAC	Sales updates from selected markets
Bill Barber	Technical Director	Carbon footprint – the impact of THP
Maarten Kanters	Managing Director Cambi Invest	Update on new business areas
Q&A		



# Cambi status and key developments

Per Lillebø, President & CEO Cambi ASA



# Cambi delivers responsible sludge management solutions

Transforming sewage sludge into renewable resources





# Thermal hydrolysis is integrated in wastewater treatment plants



Manchester Davyhulme (UK)



Cambi THP



# Where does Cambi's thermal hydrolysis fit?





# Cambi: The undisputed #1 player in our market

76

reference plants

24

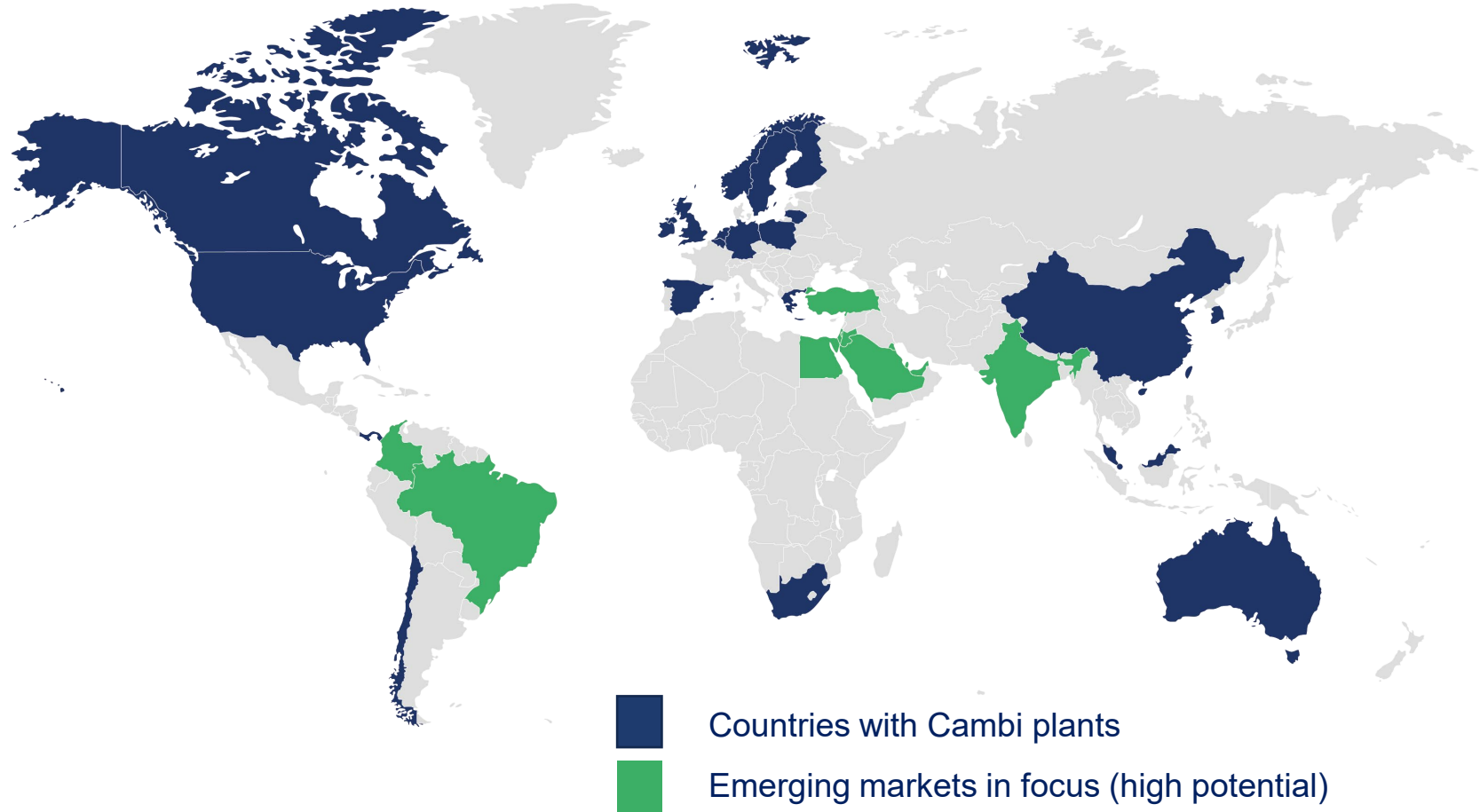
countries

109

million people can be served by Cambi's thermal hydrolysis

1.1

million tonnes CO<sub>2</sub> mitigated annually





# Continued focus on technology improvement and standardisation

## Technology

### Status today

- Global THP leader, with strong patent portfolio and unmatched know-how

### Focus ahead

- Further THP energy efficiency improvements
- Optimising THP operations (Cambi PLUS)
- Improving alternative configurations, such as THP operating after anaerobic digestion

## Standardisation

### Status today

- Standardised product line, which enables scalability, by reducing the risk of errors, and construction and installation costs

### Focus ahead

- Standardisation of other sludge line processes (especially at smaller facilities), to improve integration, reduce complexity, cost and risk for costs overruns



# Time to market – key challenges in the Cambi sales process

## Project drivers must be sufficiently strong

### Market challenges

- Low sludge disposal costs
- Zero or low cost of carbon
- No requirement for hygienisation

### Cambi approach

- Focus on markets with strong drivers/ high long-term potential
- Incentives and regulations that strengthen the drivers for thermal hydrolysis are becoming common

## Decision making process is long and complex

### Market challenges

- Projects have high capital costs and long-term consequences
- Consultants take time to evaluate all possible alternatives
- Frequent delays, due to lack of firm deadlines or incentives to move quickly

### Cambi approach

- Increase the sales pipeline in current and new markets

## Competition from other (THP) solution providers

### Market challenges

- Cambi encounters competitive pressure in most tenders
- Cambi's value proposition not straightforward to understand compared to the alternatives
- Lower complexity/ Capex may trump Cambi's value proposition

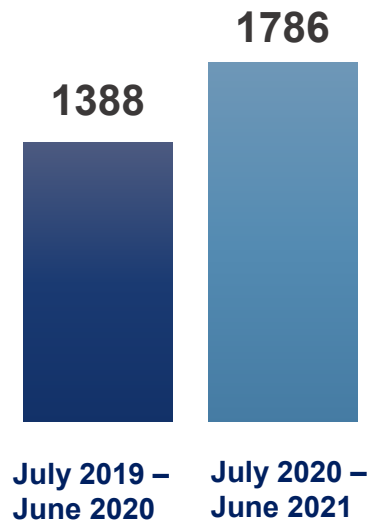
### Cambi approach

- Offer reliable performance at competitive prices



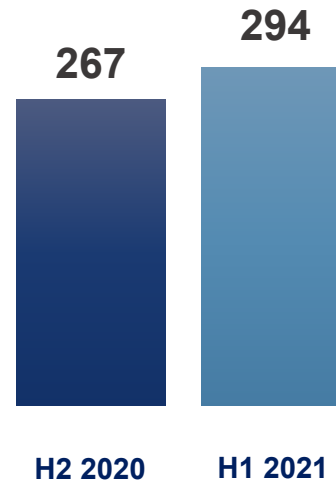
# Marketing and sourcing of quality leads is on top of the agenda

## Webinar participants



More frequent webinars, increasing outreach

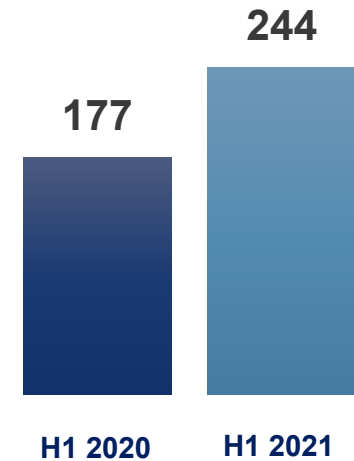
## Active projects in the sales pipeline



Sustained pace of lead generation, on average 7 new projects per month during H1 2021

## Value of submitted quotes

million EUR



High tender activity



# Carbon intensity of waste-water treatment is becoming a core KPI

Advanced anaerobic digestion is the winning solution for urban wastewater utilities



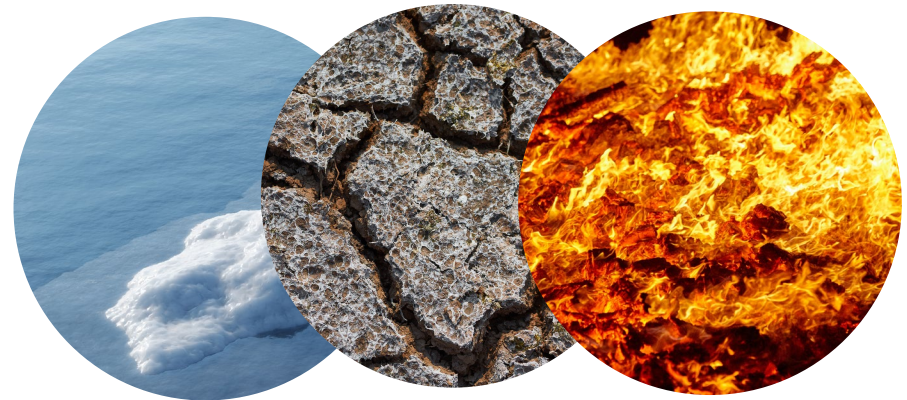
“By the end of 2022 it is likely that 70% of water utilities serving populations of more than 300,000 in high-income countries will have agreed a target date for achieving net zero carbon status (...) green energy from sludge is the main energy source available to achieve net zero carbon status to power the wastewater treatment plants.” – **Global Water Intelligence, 2021**

## The water sector uses 3.7% of global energy



**864 TWh**, more than 4 times Norway's total energy demand (212 TWh in 2020)

The sector's share of climate gas emissions is probably higher, due to the **methane** released from wastewater and sludge treatment.





# Sales updates from selected markets

Julien Chauzy, Sales Director APAC



# Typical municipal projects

In the sludge treatment business

- **«From contact to contract» it takes 3-5 years or even longer**
- **Municipal / Public project phases**
  1. Consultant selection
  2. Sludge master plan elaboration
  3. Basic engineering
  4. Financing
  5. Tender preparation
  6. Bids preparation
  7. Contractor selection and award
  8. Contract negotiation
  9. Contract signature





# Other projects may move faster

## Some exceptions (short-term projects):

- Cambi plant upgrades
  - Consultancy phase not required
  - Fast procurement process
  - Sole sourcing
- Few municipal projects move fast
  - When there's an urgent issue to solve





# Project development & Commitment to Cambi





# France



- **67 million inhabitants**
- Approx. 1 million tonnes of sludge (as dry solids) produced every year
- 120 wastewater treatment plants with capacity of at least 100,000 people equivalent
- Historically mainly biological sludge type («WAS»)
- Land application is the preferred disposal route (75%)
- Disposal costs are high and keep increasing
- Anaerobic digestion uncommon in the past /
  - Now strong incentives to produce Biomethane
  - France has become a dynamic digestion market
- Post-Covid period: sludge must undergo hygienisation before land application



# France



## Market drivers

- 120 wastewater treatment plants with capacity of at least 100,000 people equivalent
- Mainly biological sludge («WAS»)
- Land application preferred disposal route (75%)
- Disposal costs are high and keep increasing
- Anaerobic digestion uncommon in the past /
  - ▶ Now strong incentives to produce biomethane
  - ▶ France has become a dynamic digestion market
- Post-Covid period: sludge must undergo hygienisation before land application

## Cambi THP

- ➡ ■ Fits best at sites with capacity above 100,000 people equivalent
- ➡ ■ Is extremely efficient on WAS
- ➡ ■ Produces high-quality biosolids for agriculture
- ➡ ■ Reduces the volume of biosolids after dewatering
- ➡ ■ Improves anaerobic digestion performance and reduces the required digester tank volume
- ➡ ■ Sterilises the sludge – a safe product for farmers



# France

- Is already familiar with thermal hydrolysis:
  - Approximately 10 existing THP plants (by others)
- Has a growing interest in THP
- Is a very promising market for Cambi

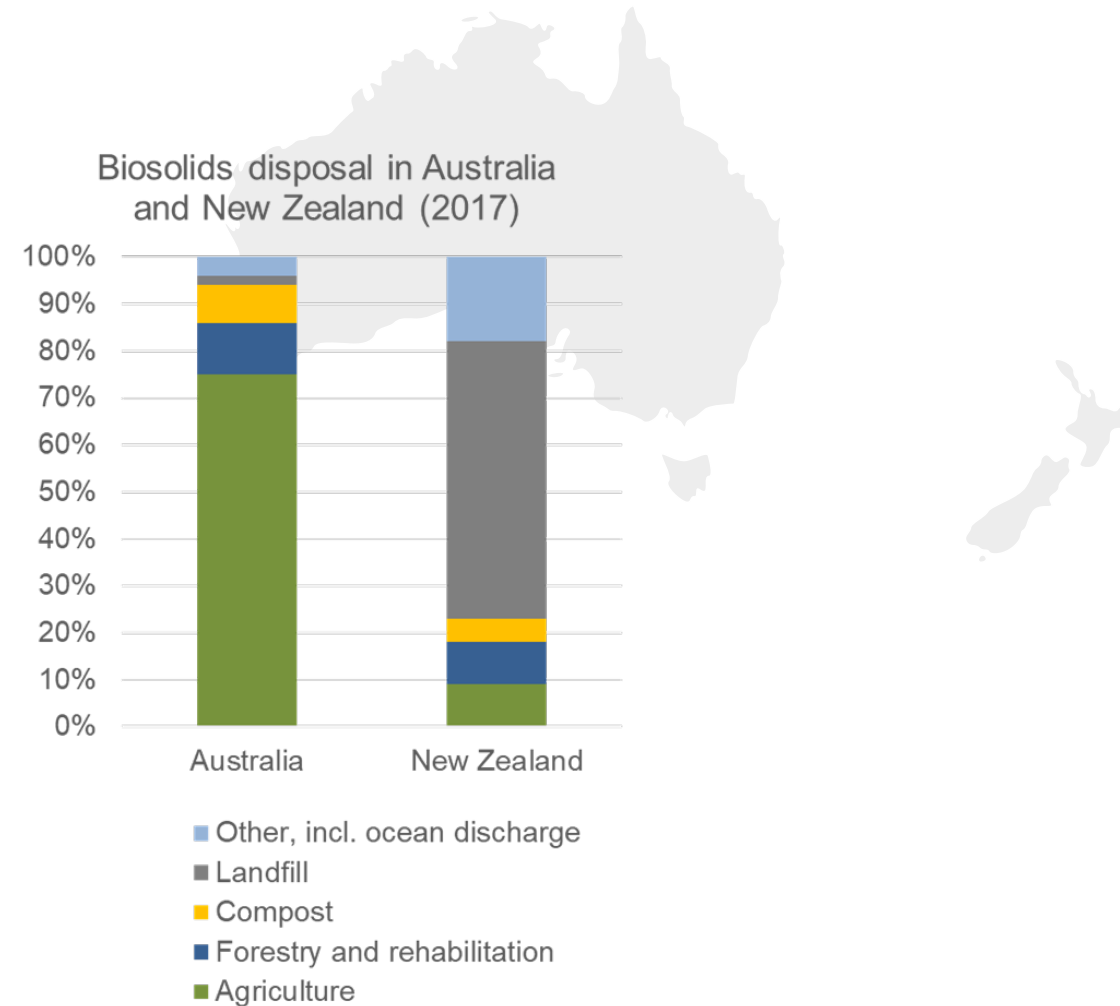




# Australia and New Zealand

## Australia & New Zealand

- Small but active markets:
  - Australia: 25 million inhabitants
  - New Zealand: 5 million inhabitants
- Familiar with Cambi THP technology – water utilities and consultants understand it:
  - Reference plants in Brisbane and Sydney
- Australia:
  - Land application as main disposal route (>60%)
  - High-quality biosolids recommended in the regulation (pathogen levels)
- New Zealand:
  - Landfill is the main disposal route (>60%)





# Australia and New Zealand



## Market drivers

### ■ Australia:

- ▶ Land application is the main disposal route (>60%)
- ▶ High-quality biosolids recommended in the regulation (pathogen levels)
- ▶ Long transport distances
- ▶ Cake odour is often an issue (at site or during transport)



### ■ New Zealand:

- ▶ Landfill is the main disposal route (>60%) – costly
- ▶ Landfill requires high shear strength for storage
- ▶ Water utilities are planning to become energy neutral



## Cambi THP

### ■ Australia:

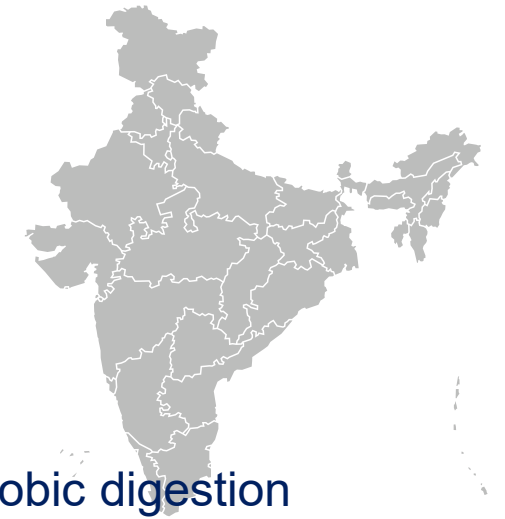
- ▶ Produces high-quality biosolids for agriculture
- ▶ Produces Grade A biosolids (low pathogen levels)
- ▶ Produces a no- or low-odour cake
- ▶ Reduces the volume of final cake

### ■ New Zealand:

- ▶ Reduces the volume of final cake and the landfill disposal costs
- ▶ Produces a biosolids product suitable for storage (stable, high dryness, high shear strength) and avoids lime addition
- ▶ Produces more biogas, more electricity



# India



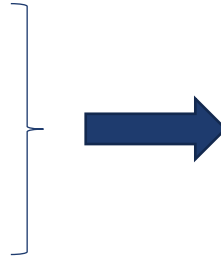
- 1.4 billion inhabitants – only approximately 130 large wastewater treatment plants
- Rapidly increasing sludge generation:
  - Urbanisation, increased collection (from current low coverage of 30%) and treatment
- Many ongoing new tenders for wastewater treatment plants, including sludge anaerobic digestion
- Some large WWTPs, but most are small & medium sized:
  - Opportunities for sludge centres and co-digestion
- Increased demand for biosolids to agriculture
  - Large cities require hygienisation / Pathogen removal, referring to US EPA 503 in tenders
  - Incineration is unpopular and expensive
- Increased demand & subsidies for biogas-based energy and power production
- Sludge disposal & treatment costs low, but continuously increasing





## Market drivers

- 1.4 billion inhabitants
  - Rapidly increasing sludge generation
  - Many ongoing new tenders for wastewater treatment plants
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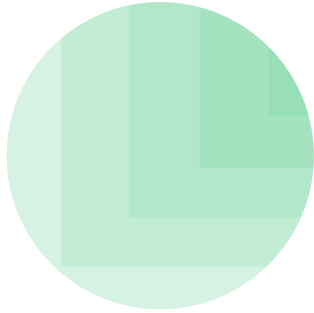


## Cambi THP

- Compact solution (low footprint), avoid big digestion facilities, suitable solution for insertion of greenfield plants in existing big cities (land monetization)
- 
- Sludge centres have been successful business models for CambiTHP (UK and other places)
- 
- Class A requirement favours THP type technologies
  - Cambi produce a high-quality cake for agriculture
- 
- Produces more biogas and more power
- 
- Reduces the volume of final cake



# Conclusions & Perspectives

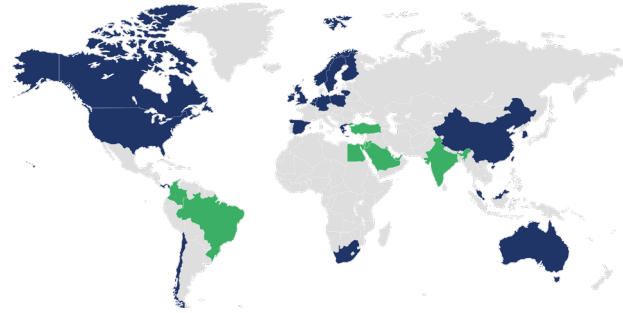


## Sales and Buying Journey

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Mid/long term

Importance of developing projects well in advance and get all stakeholders commitment



## Markets /countries

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All different,  
with specific needs and drivers



## Perspectives

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A first contract in  
France, New Zealand  
and India



# Carbon footprint – the impact of THP

Dr Bill Barber, Technical Director







Most technology on a sewage works is over

**140** years old







**NOT**

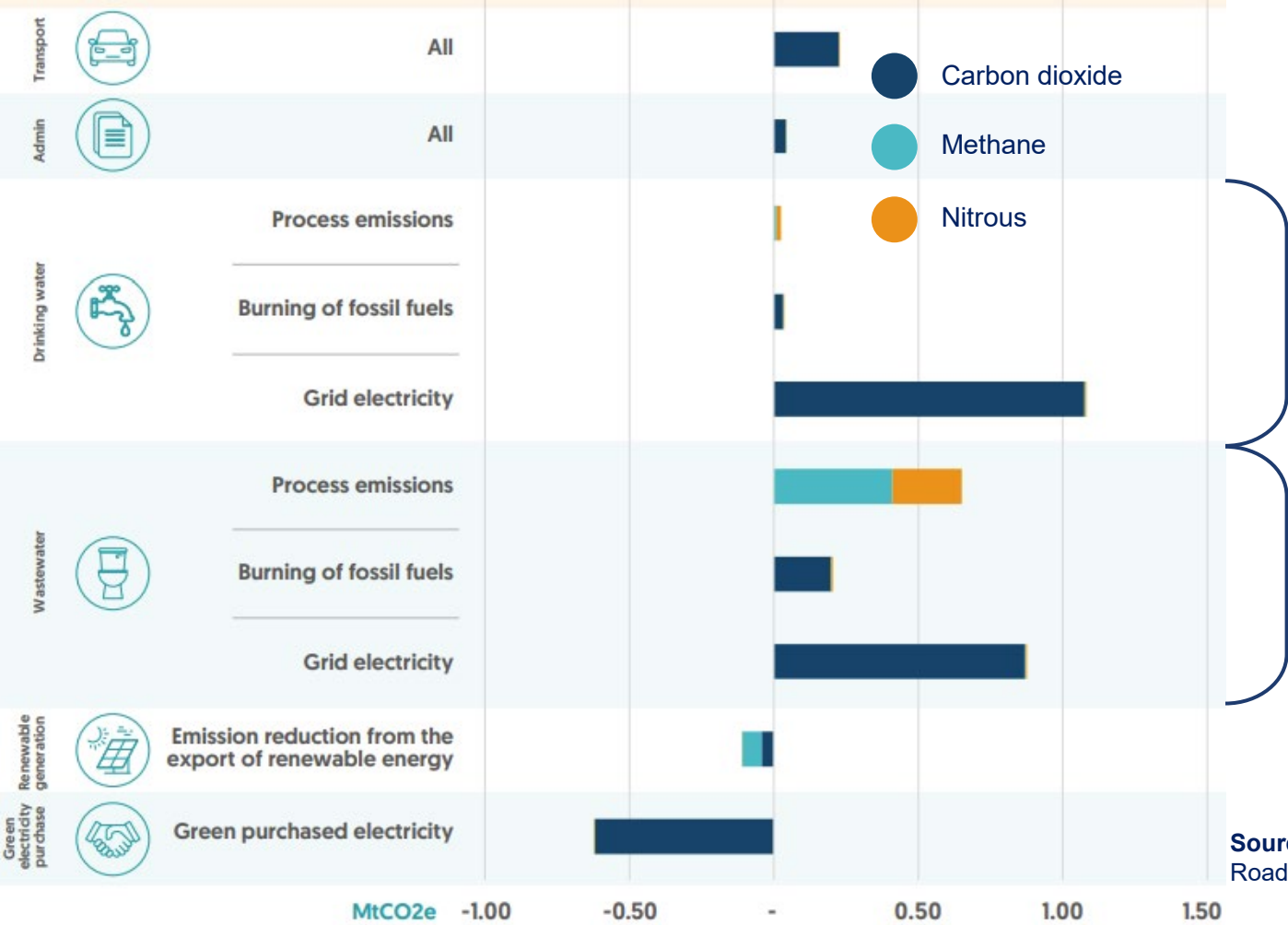
**Water  
Energy  
Nutrient  
Carbon**

**EFFICIENT**



# Carbon footprint of the UK Water Industry

Total emissions of 3 mt CO<sub>2</sub>e, of which 2.4 mt CO<sub>2</sub>e net, approx. 0.45% of UK\*



\*Compares with approximately  
**540 mt CO<sub>2</sub>e** for UK  
Source: Defra, 2019

Water treatment

Wastewater treatment

Source: Water UK, Net Zero Carbon Roadmap 2030 (2020). Data for 2018-2019.

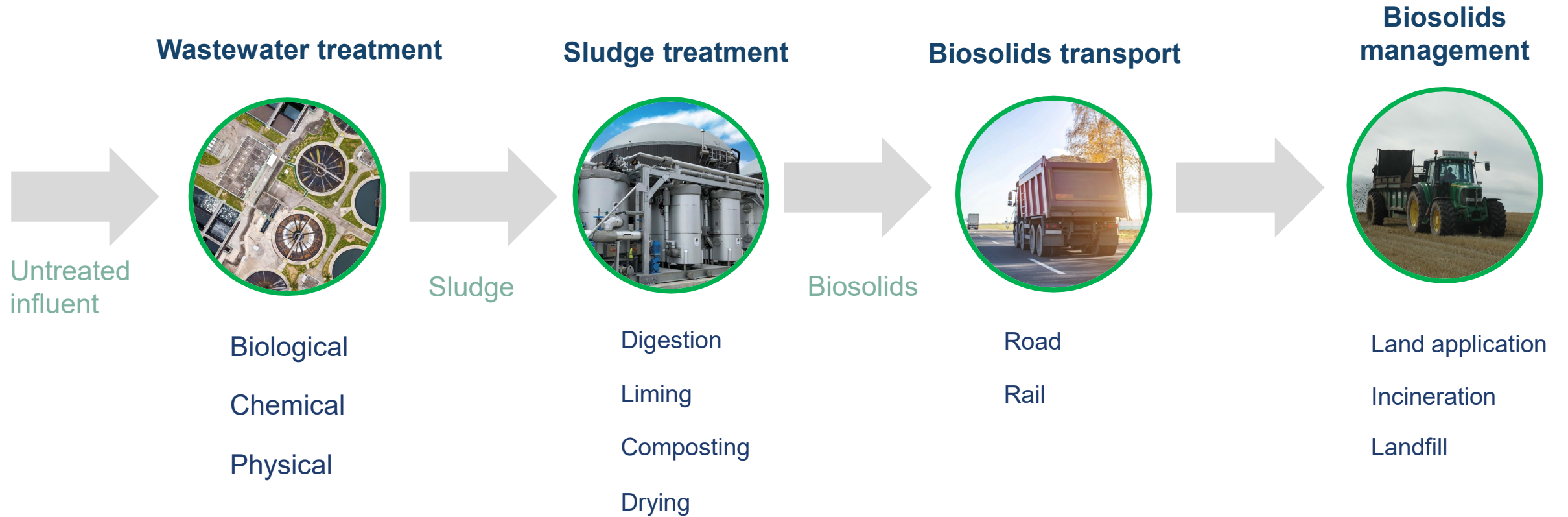


# Carbon footprint and thermal hydrolysis





# Biosolids management





# Reasons for thermal hydrolysis

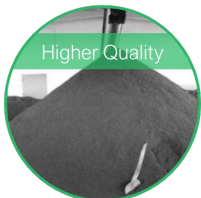
Helps 19<sup>th</sup> century technology meet 21<sup>st</sup> century demands



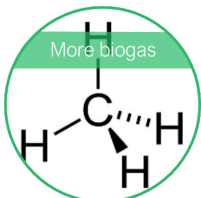
Higher capacity for existing equipment



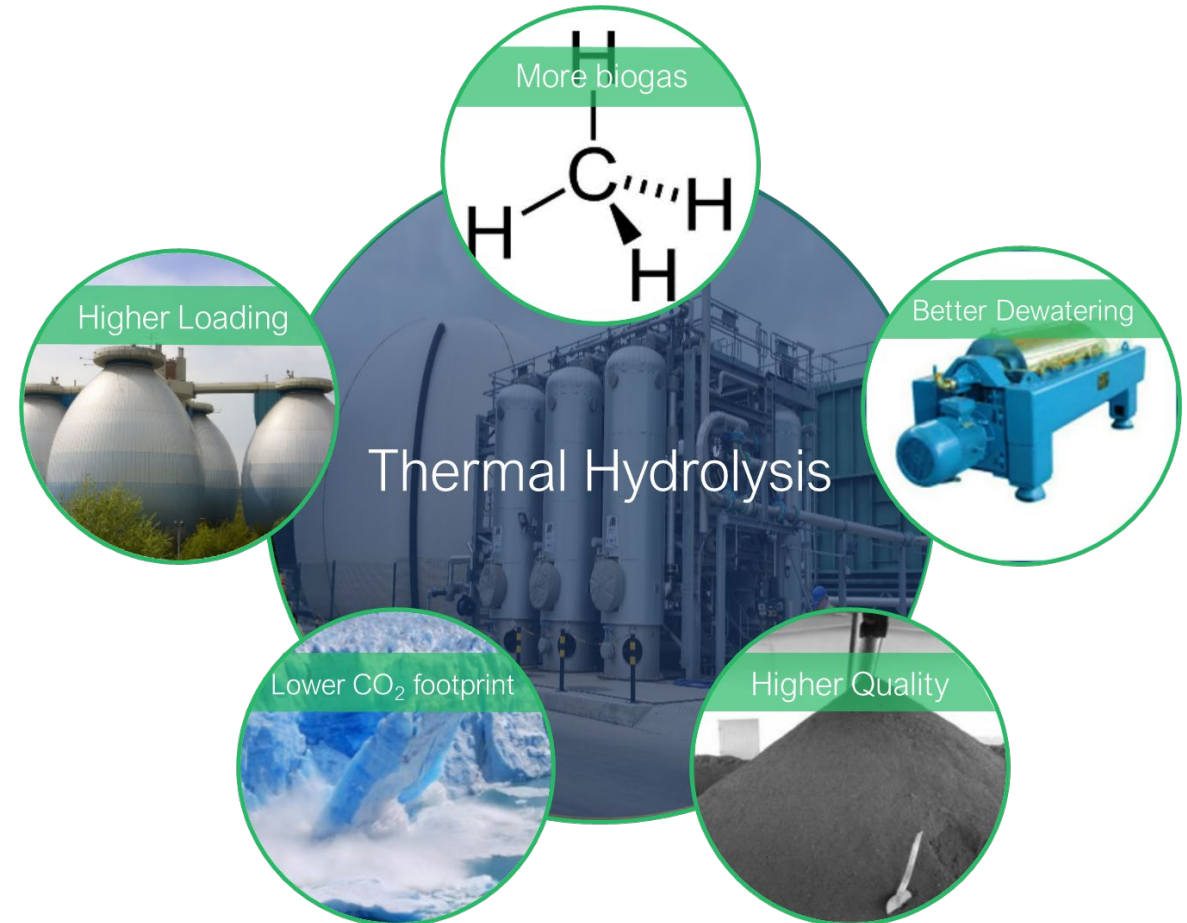
Drier material therefore less volume



Higher quality therefore more applications



Greater production of renewable energy





# Impact on thermal hydrolysis on carbon footprint



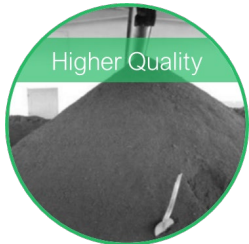
Higher capacity

New facilities are smaller,  
existing ones can handle more



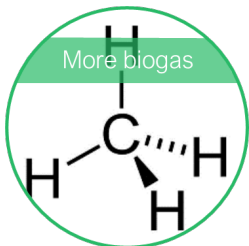
Drier material

Less biosolids, less fossil fuel  
for thermal processing



Higher quality

More options available,  
therefore, less transport, lower  
GHG emissions



Greater production of  
renewable energy

Greater off-set of fossil fuels

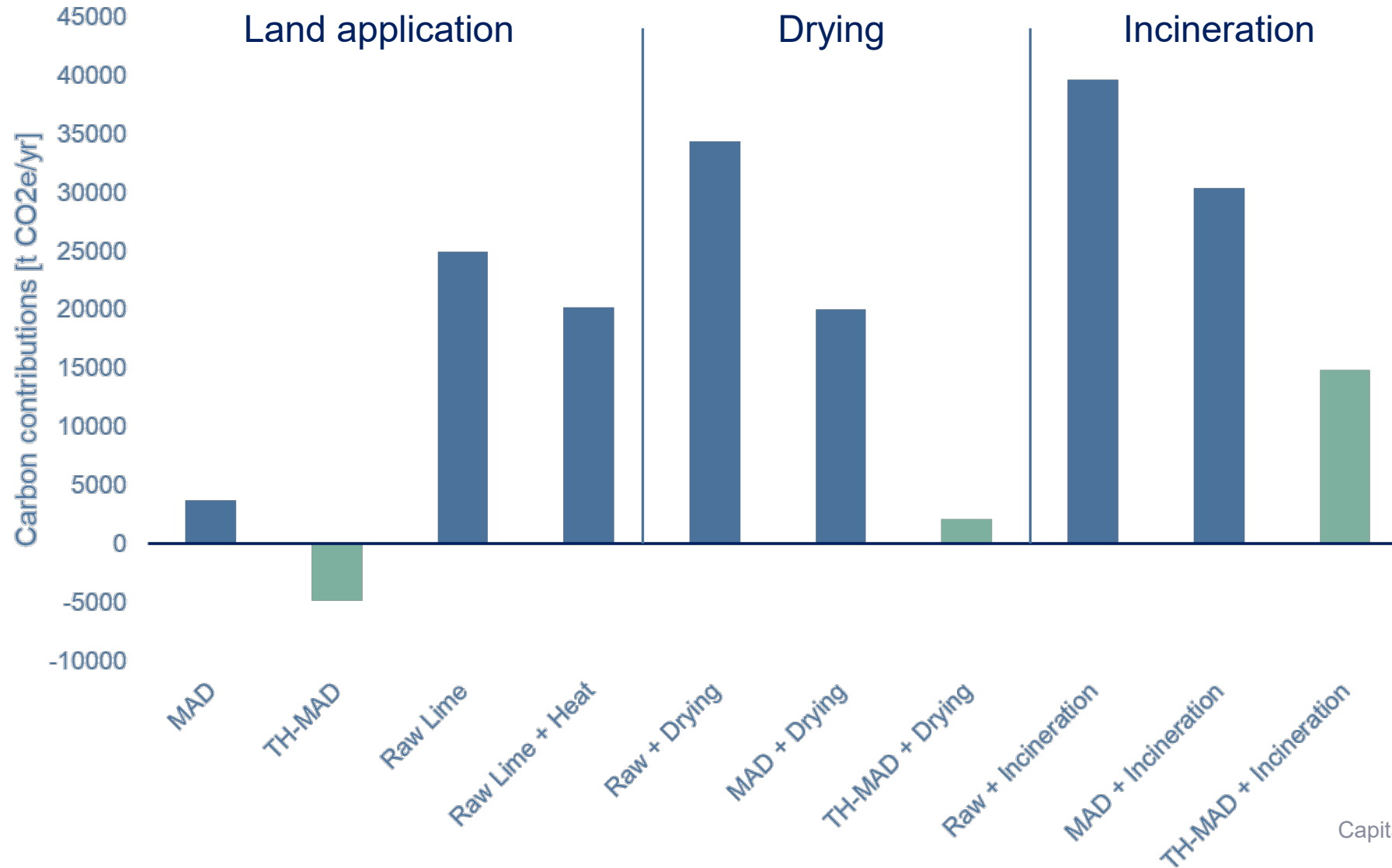
**Lowest  
carbon  
footprint...**

**...irrespective  
of outlet**



# Typical carbon footprint of biosolids options

Basis 100 t DS/day, energy mix 0.43 kg CO<sub>2</sub> /kWh







**Carbon pricing**  
is increasingly becoming a key driver  
for investment decisions  
in many markets

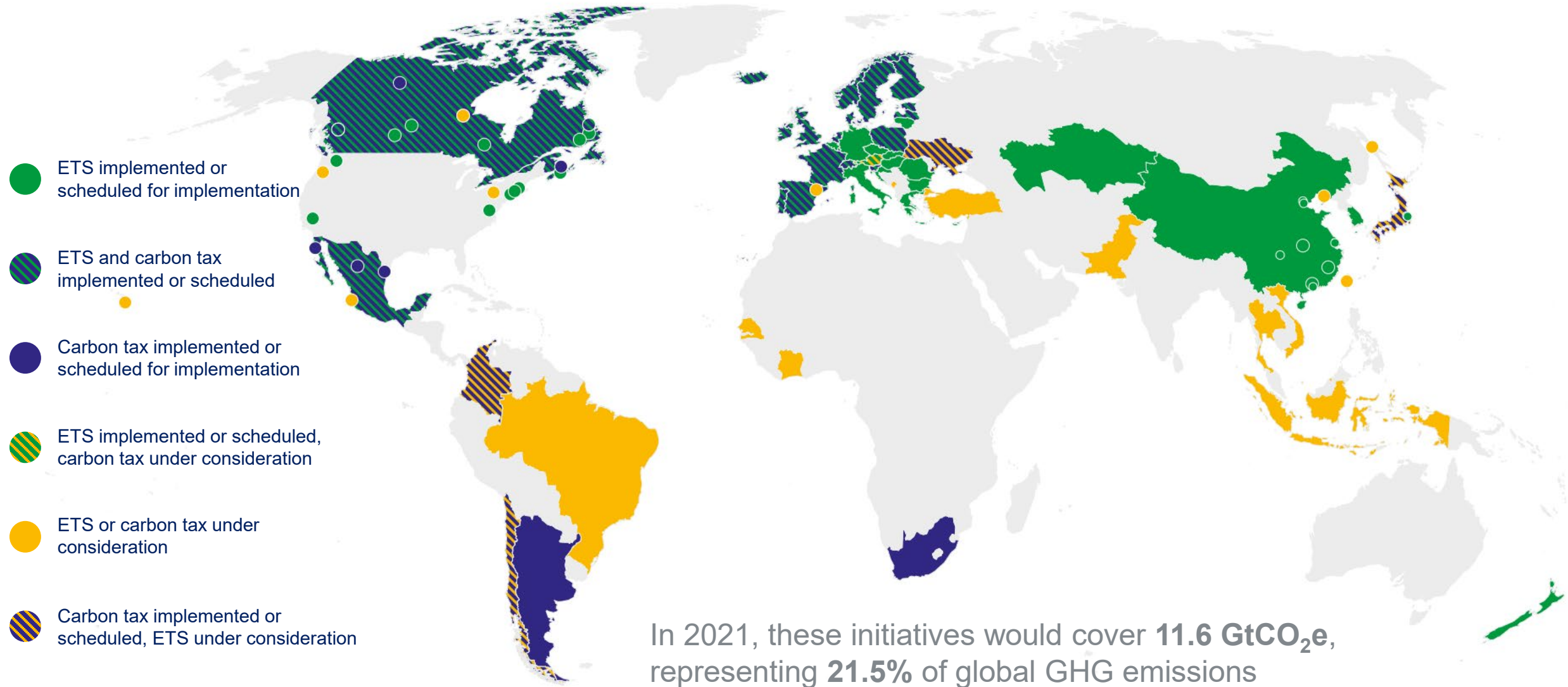


**The number of carbon pricing initiatives**  
implemented or scheduled for implementation  
has quadrupled in the past decade  
and almost doubled over the last five years,  
reaching 47 in 2017.

*The World Bank, 2021*



# Global Emissions Trading Schemes (ETS) for carbon and carbon tax





# China

Xiaohongmen and Qinghe are in the top 10 lowest carbon footprint treatment works in China\*

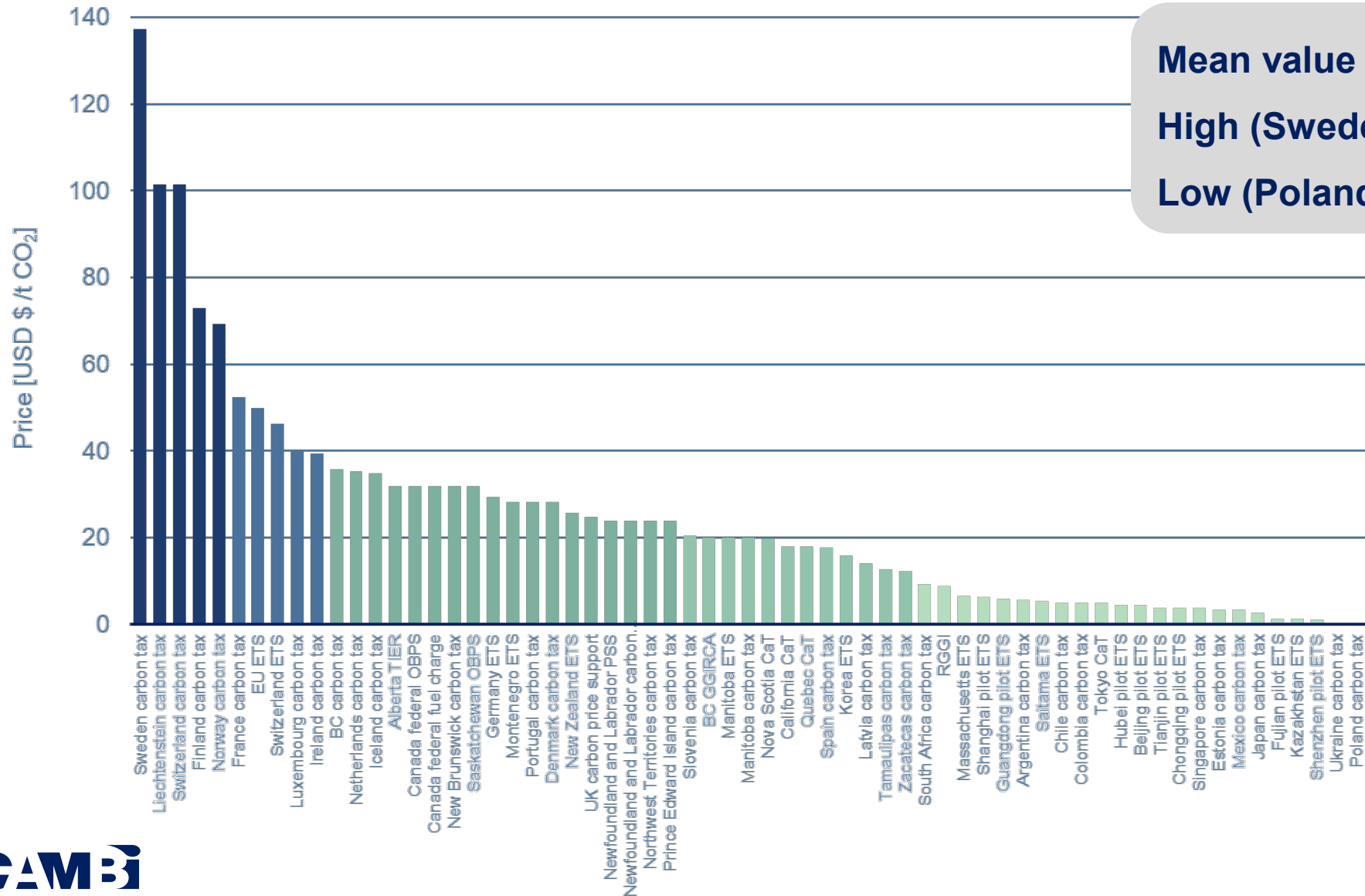
**Xiaohongmen WWTP**



Gaoantun is on target to become the first carbon neutral wastewater treatment plant in China by 2025\*



# The current cost of carbon emissions



**Mean value**      \$ 24/t CO<sub>2</sub>

**High (Sweden)**      \$ 137/t CO<sub>2</sub>

**Low (Poland)**      \$0.08/t CO<sub>2</sub>

Source: World Bank, 2021





(at Washington DC's Blue Plains Plant)  
**the carbon footprint was reduced by over 30%**

*Willis et al., 2018*

**Would save \$ 31.25 million over 25 years in avoided taxes**



# A lower carbon footprint has value for customers

Assuming water sector pays the prevailing carbon tax rates for all emissions

	THP plant capacity	Reduction in carbon footprint	Avoided cost of carbon (average cost of carbon)
	[tDS/day]	[tCO2/year]	[\$/over project life]
Raleigh	36	555	\$ 350,000
Stoke Bardolph	75	586	\$ 366,250
Finham	120	938	\$ 586,250
Shek Wu Hui	84	10,448	\$ 6,530,000
Lviv	70	128,600	\$ 80,375,000
WSSC	70	5,000	\$ 3,125,000



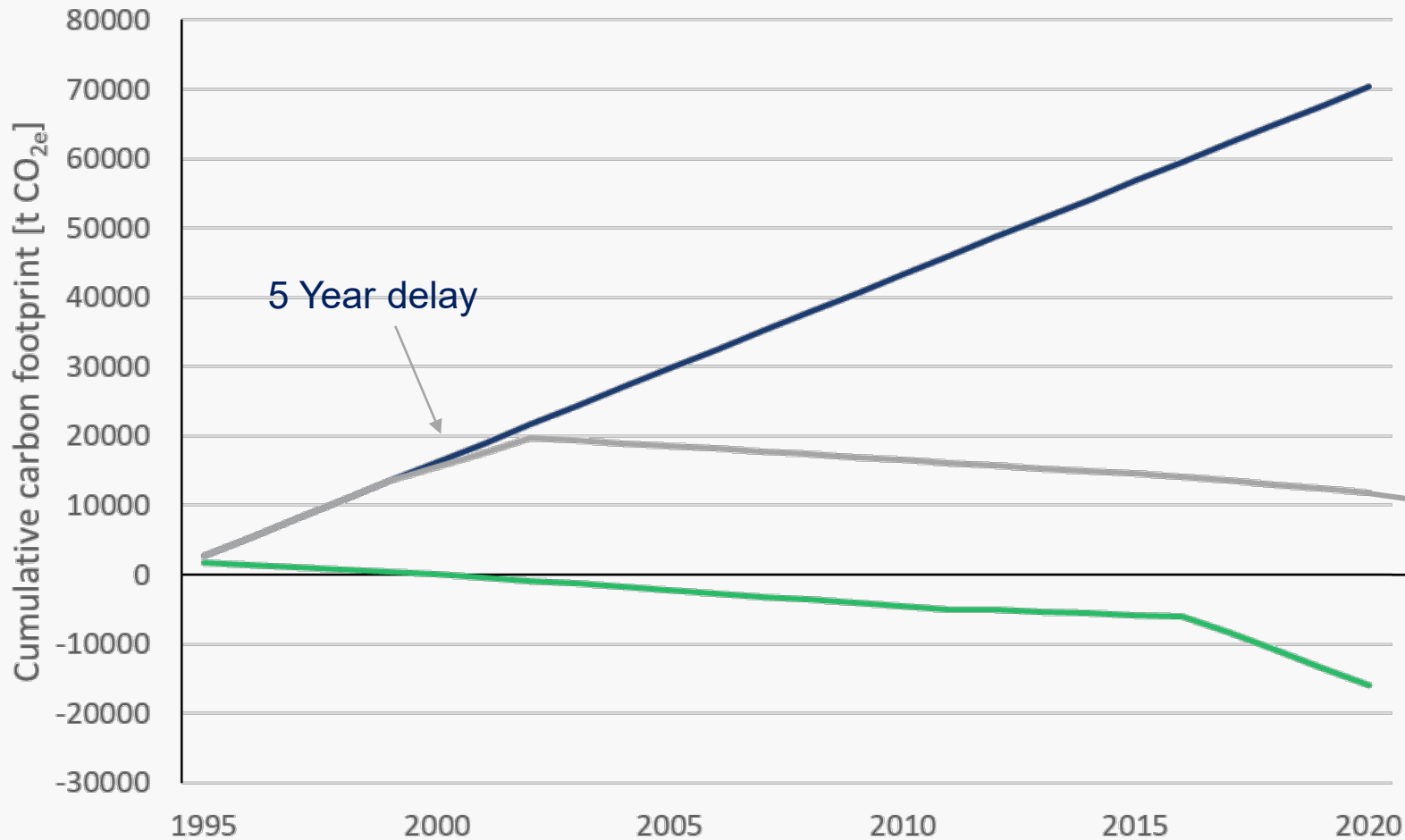


Timing is of the  
essence



# Cumulative carbon footprint

Even short delays significantly lengthen the time to carbon neutrality



- Delays now will fundamentally impact long-term carbon targets

Baseline	
Action now	
5-year delay	



# To conclude



## Thermal hydrolysis changes sludge properties

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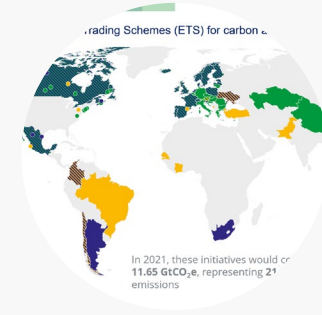
This enables wastewater treatment works to meet 21<sup>st</sup> century drivers



## Which changes performance

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Improved performance reduces carbon footprint, irrespective of end use of the biosolids



## Which reduces risk

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By reducing exposure to environmental regulations, price and market fluctuations



# Cambi Invest: Update on new business areas

Maarten Kanters, Managing Director Cambi Invest



# Objectives for Cambi Invest

“Develop and follow up investment opportunities either in projects applying THP, or in companies related to the THP technology”



**Recycling - Grønn Vekst**



**DBO projects**



# Recycling - Grønn Vekst

Sludge recycling and soil production



## Developments

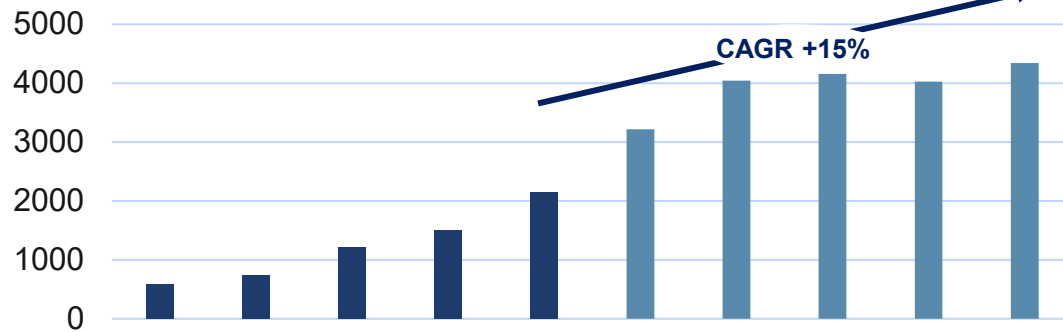
- Preparing for international expansion, identified targets in selected countries, ready to engage in further discussions once travel restrictions are eased
- Grow the domestic business with following initiatives:
  - ▶ Investing NOK 10 million in packaging facility to increase sales to consumer segment, preparing for 2023 season
  - ▶ Establish soil production and sales in new areas, e.g. Bergen
- Maintain focus on existing sludge and garden waste contracts and winning new tenders



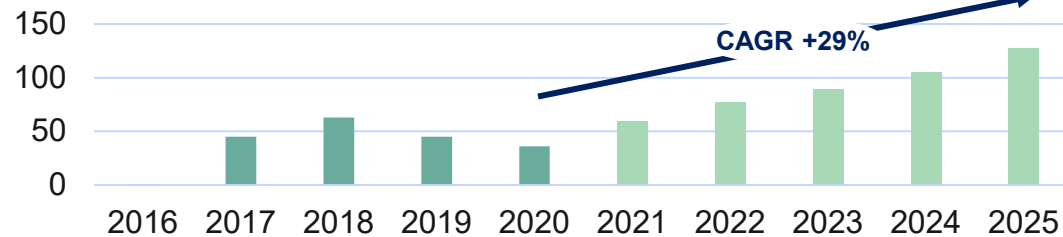
# Strong growth outlook for private financing

Market trends – global capital expenditure through privately-financed procurement

## Wastewater treatment (USD million)



## Sludge management (USD million)



### India eyes up water sector in 'monetisation' drive

The Indian central government has named water and sewerage networks among key state infrastructure segments being considered for a programme of brownfield asset leases aimed at raising INR6 trillion (\$81 billion).

The government's National Monetisation Pipeline (NMP) envisages the transfer of operating rights for selected infrastructure assets to the private sector across multiple sectors, including water and sewerage networks. It has not yet been confirmed whether water treatment assets will be included in the plan, which is designed to raise money for new infrastructure development.

The NMP will see licences issued over pre-defined periods, enabling the private sector to collect revenue from assets in exchange for an up-front payment, a share of the revenue, and a commitment to investing in an upgrade of the assets.

Aug 2021

### South Africa budgets \$1.2bn for PPP uptake fund

South Africa plans to spend ZAR18 billion (\$1.2 billion) to support infrastructure PPPs over the next three years – including water and sanitation projects. The financing for the Infrastructure Fund was confirmed yesterday as part of the country's 2021 budget.

The fund, announced last year, aims to blend its own financing with private capital. It has a planned budget of ZAR100 billion (\$6.8 billion) over the next ten years, and is aimed at boosting the slow take-up of PPPs in South Africa. The government also plans to announce the conclusions of a review of national PPP regulations in March.

The PPP boost is much needed: the water and sanitation sector faces an estimated annual capital funding gap of ZAR33 billion (\$2.3 billion), and the budget review indicated that there is no capacity to increase direct funding. The sector's 2021 budget allocation of ZAR16.9 billion (\$1.2 billion) is similar to

Feb 2021



## Success factors for Public Private Partnerships in the water sector

The water and waste water industry leading  
the way for PPPs in Saudi Arabia

May 2021

### Private sector investment doubles in Brazilian water

The investment per capita undertaken by private operators in the Brazilian water market virtually doubled between 2018 and 2019, according to data from the latest market synopsis published this week by Abcon, the national association of water and sewerage concessionaires.

Investment by state-owned and municipal operators rose by 17% and 20%, respectively, over the same time period, according to the Panorama 2021 document. Furthermore, despite only serving 7% of Brazil's municipalities, private operators account for nearly a third of the investment in the sector.

Growth in the market for concessions and PPPs has seen the number of people served by the private sector rise to 31.6 million, equivalent to 15% of the population, according to Abcon. The large-scale roll-out of concessions which is

July 2021



# Cambi approach to DBO project development

## Objectives

- Assuming the role of (co-)owner and/or operator of sludge treatment plants to take responsible for the performance of the THP facility during its lifetime
- Open to different types of projects, depending on customer preference (e.g. PPP, DBFO, BOT)
- Take minority interest, share dependent on country and project risk profile
- Work with reputable international and local partners
- Intention to maintain stake for duration of the contract, as Cambi can contribute to value creation during operations. Earlier asset sale can be considered.

## Activities in last 12 months

- Solid development in DBO pipeline
- Project developers, owners and financiers have reached out to Cambi for cooperation since the IPO
- Several active tenders (mainly in US)
- Captured learnings from unsuccessful tenders to improve our approach
- Building specialized team for DBO development and operations



# Main countries with DBO activities (1/4)

## North America

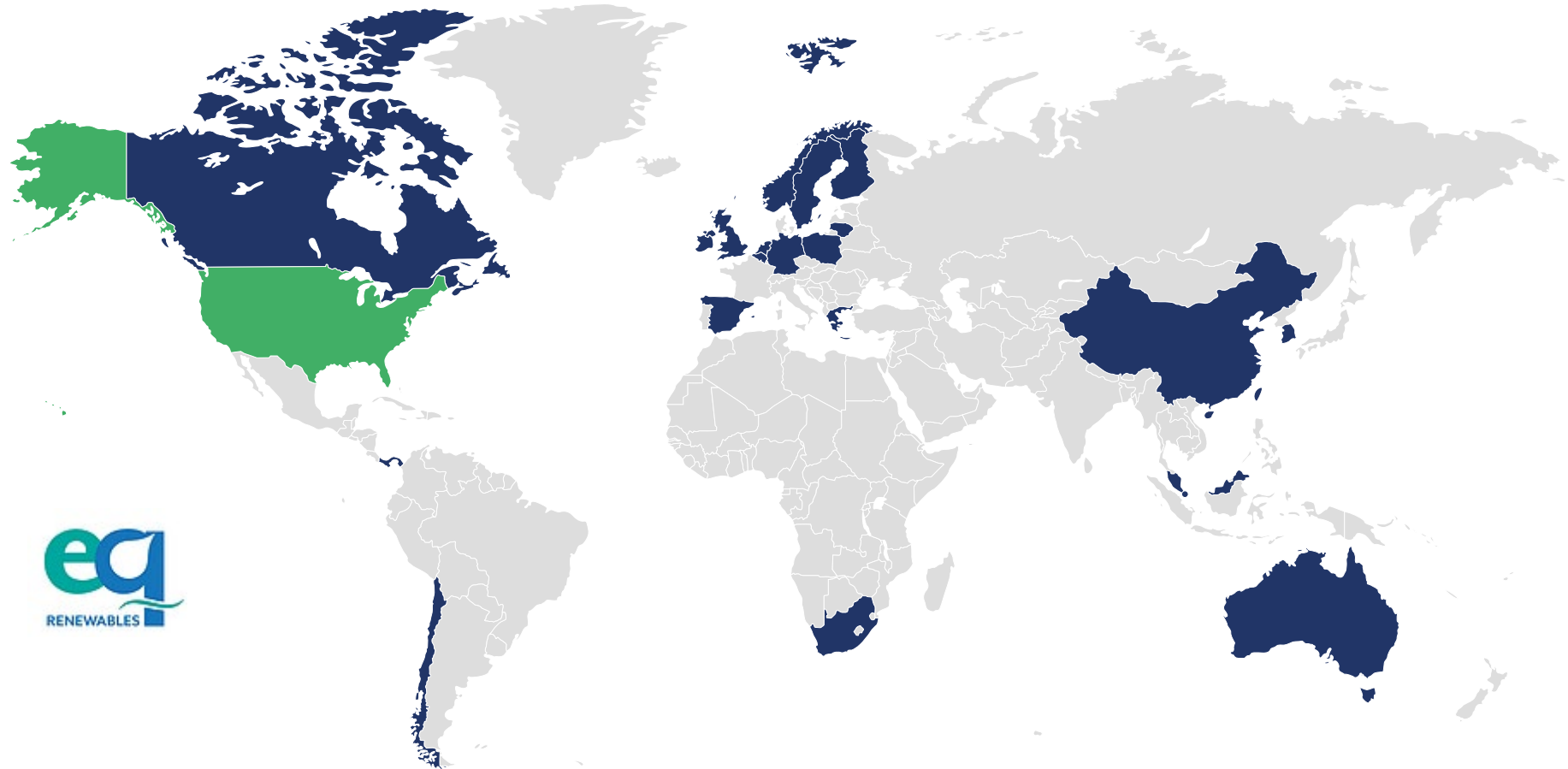
### USA

#### Market

- Tightening regulations
- Ageing infrastructure
- DBFO/PPP model well established

#### Cambi approach

- EQ Renewables – joint venture (non-exclusive) with construction company to develop financed projects





# Main countries with DBO activities (2/4)

Europe and United Kingdom

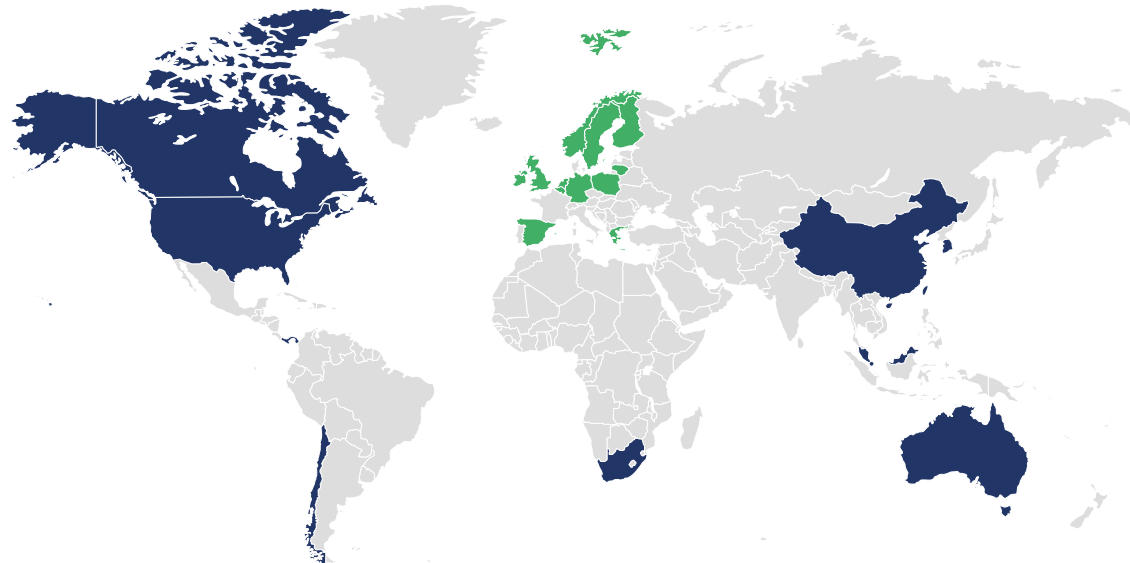
## United Kingdom

### Market

- Privatised utilities
- Potential for sludge treatment as a service

### Cambi DBO approach

- Actively proposing DBO/BOT projects to help existing customers to increase their treatment standards



## Europe

### Market

- Sludge treatment largely a municipal function
- Regionalize sludge treatment

### Cambi DBO approach

- Promote private sludge treatment centres



# Main countries with DBO activities (3/4)

Middle East and South Korea

## Middle East

### Market

- High demand growth
- BOT & PPP models are the norm (e.g. Desal)

### Cambi DBO approach

- Looking for partners to develop financed projects in the region

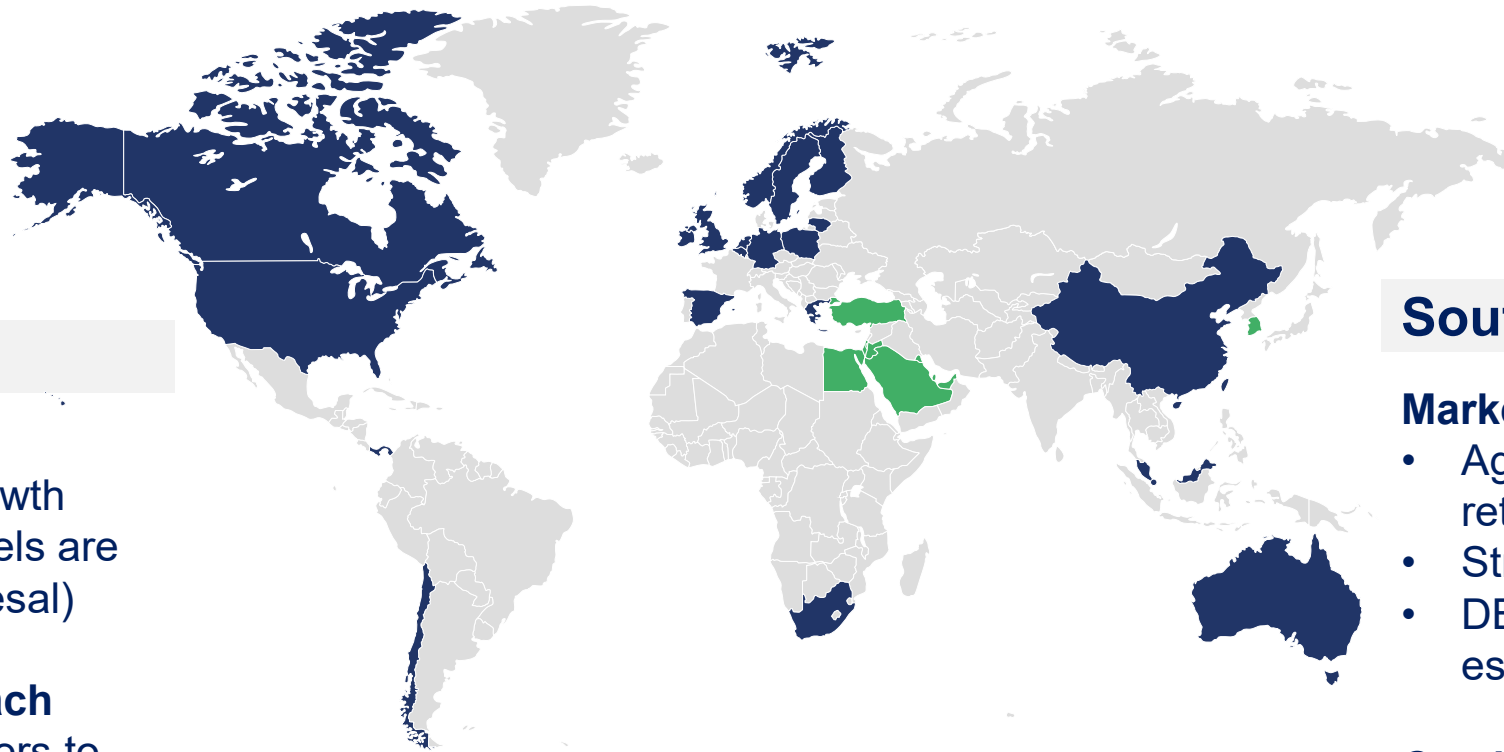
## South Korea

### Market

- Ageing infrastructure, retrofit potential
- Strong THP drivers
- DBFO/PPP models well established

### Cambi DBO approach

- Partnering on project-by-project basis





# Main countries with DBO activities (4/4)

## Emerging Markets

### Colombia & Brazil

#### Market

- Increasing private sector involvement
- Several wastewater concessions have recently been awarded to private operators

#### Cambi DBO approach

- In dialogue with development partners

### India & South Africa

#### Market

- Increasing interest in private sector participation, national PPP frameworks cumbersome/ under development

#### Cambi DBO approach

- Looking for local partners to develop financed projects in the region
- Ongoing discussions with international financing institutions to co-invest in projects (e.g. Norfund)



# Growth initiatives



## Recycling – Grønn Vekst

- Strengthen position in domestic market by increasing soil product range
- Enter new markets, through M&A and on the back of DBO projects



## DBO projects

- Realise first DBO project in 18-24 months
- Strengthen DBO development organisation
- Identify development partners in key geographies



# Q&A



A dark blue background featuring a faint, light blue world map. A thin white vertical line is positioned in the upper center of the page.

# Thank you

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**CAMBI**