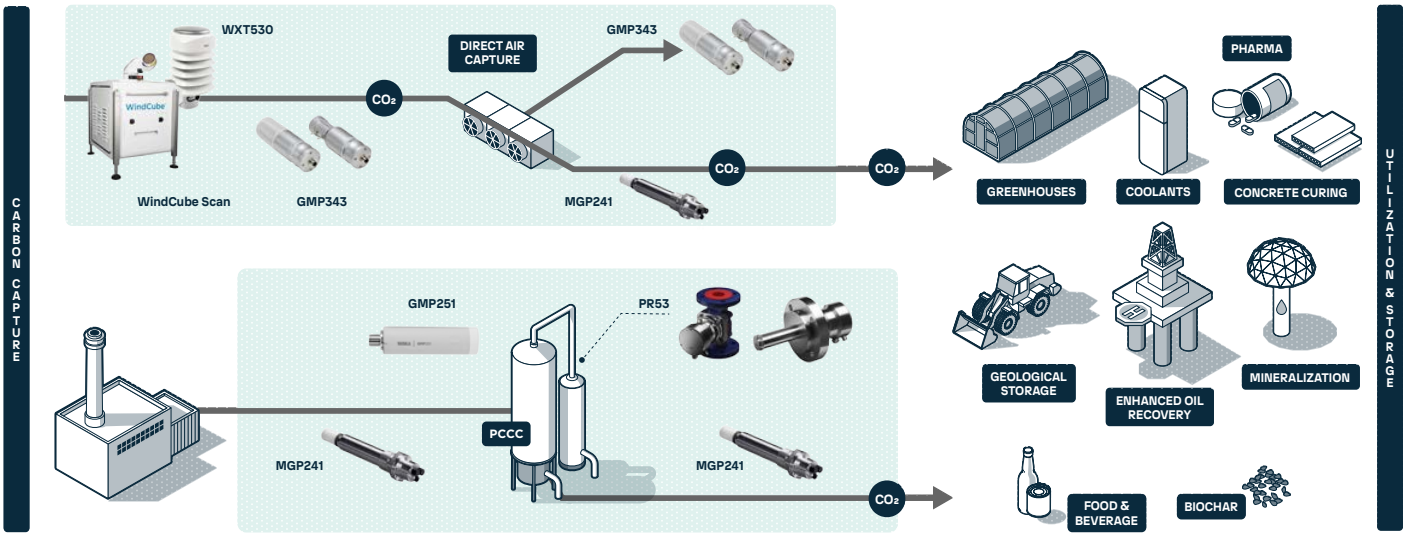
VAISALA

QUICK GUIDE 2025

Your partner in decarbonization

Taking every measure for the planet.

The keys to success in decarbonization are transparent and reliable measurements. Both environmentally and financially. No matter whether you're in CCUS or Biogas & Biomethane / RNG, Vaisala provides you with unmatched expertise and data – proven in the most demanding conditions on two planets.



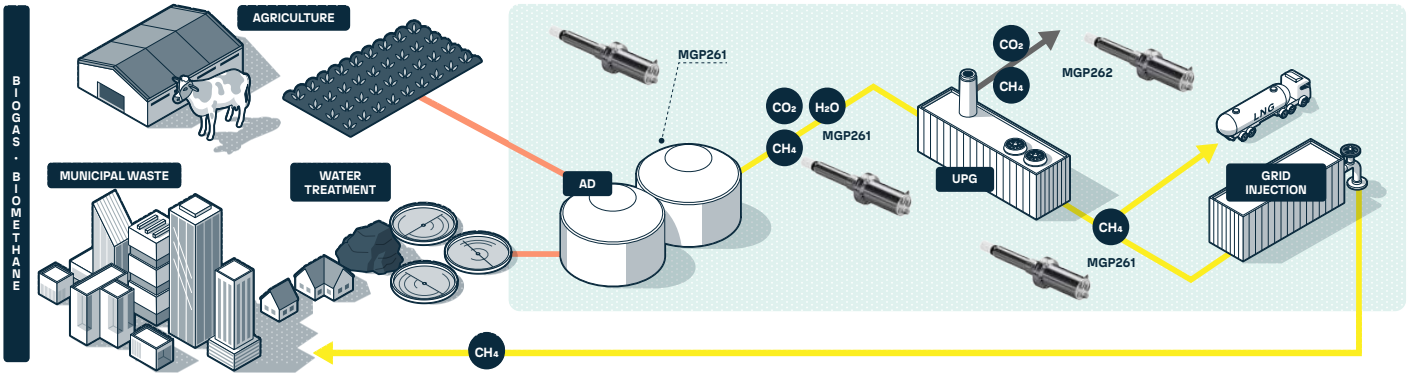
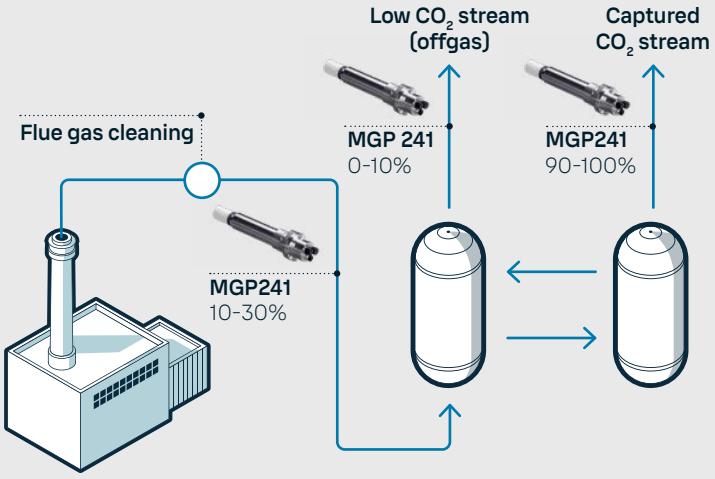


Image credit: Hufton&Crow / ARC

Case: Carbon capture at a waste-to-energy plant

The researchers at Danish Technical University created a pilot plant to remove CO_2 from the emissions of the incinerator at the AmagerBakke Waste-to-Energy Plant, one of the largest combined heat and power (CHP) plants in northern Europe.



Industrial CO_2 measurement

MGP241

- Dedicated carbon capture probe for heavy-duty industrial and DAC use.
- 0...100 vol-% CO_2
- 0...25 vol-% H_2O

Biogas & Biomethane/RNG, CO_2, H_2O

MGP261

- In-situ measurement instrument for carbon dioxide, methane and humidity.
- Ex-rated.
- 0...100 vol-% CH_4
- 0...100 vol-% CO_2
- 0...25 vol-% H_2O

Biomethane/RNG, CO_2

MGP262

- In-situ measurement instrument for offgas methane and high-concentration carbon dioxide.
- Ex-rated.
- 0...5 vol-% CH_4
- 0...100 vol-% CO_2

Ppm-level CO_2

GMP343

- The most accurate and rugged CO_2 probe for demanding measurements, including DAC.
- 0 ... 5000 ppm CO_2

CO_2 concentration measurement

GMP251/GMP252

- For %-level and ppm-level CO_2 measurements in demanding applications.
- 0 ... 20 % CO_2 (GMP251)
- 0 ... 10 000 ppm CO_2 (GMP252)

Liquid-based carbon capture

POLARIS PR53GP

- For measurement in liquid-based carbon capture applications, e.g. using amines.
- 1.32–1.53 nD
- 0...100 °Bx

Measurement integration platform

INDIGO FAMILY

- Smart platform for integrating measurements from multiple smart probes. Access real-time and historic data & trends both online and on the rugged color touch screen.

Weather observations

WXT530 / WINDCUBE SCAN

- Compact, accurate and reliable weather observations for e.g. wind, solar and other renewable energy production.

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