



BORSIG Carbon Capture.

Turning CO₂ into an opportunity for the climate and the economy.

Capturing CO₂ from industrial, energy and process plants is essential to meeting climate targets, advancing the energy transition and responding to growing regulatory pressure. BORSIG supplies integrated carbon capture solutions covering the entire process chain — from CO₂ separation and compression through to delivery for transport, storage or further utilisation.

Drawing on decades of experience in compressor and membrane technology, BORSIG develops customised system solutions tailored to each plant configuration and gas composition. These solutions convert flue or process gas streams into CO₂ at the purity and pressure required for storage or further use in areas such as chemicals, fuel synthesis, e-fuels and building materials production.

BORSIG – Your partner for carbon capture

BORSIG is your partner for carbon capture, supporting projects across their full lifecycle from feasibility studies and basic and detailed engineering to plant construction, commissioning, service and maintenance, and continuous process optimisation during ongoing operation.

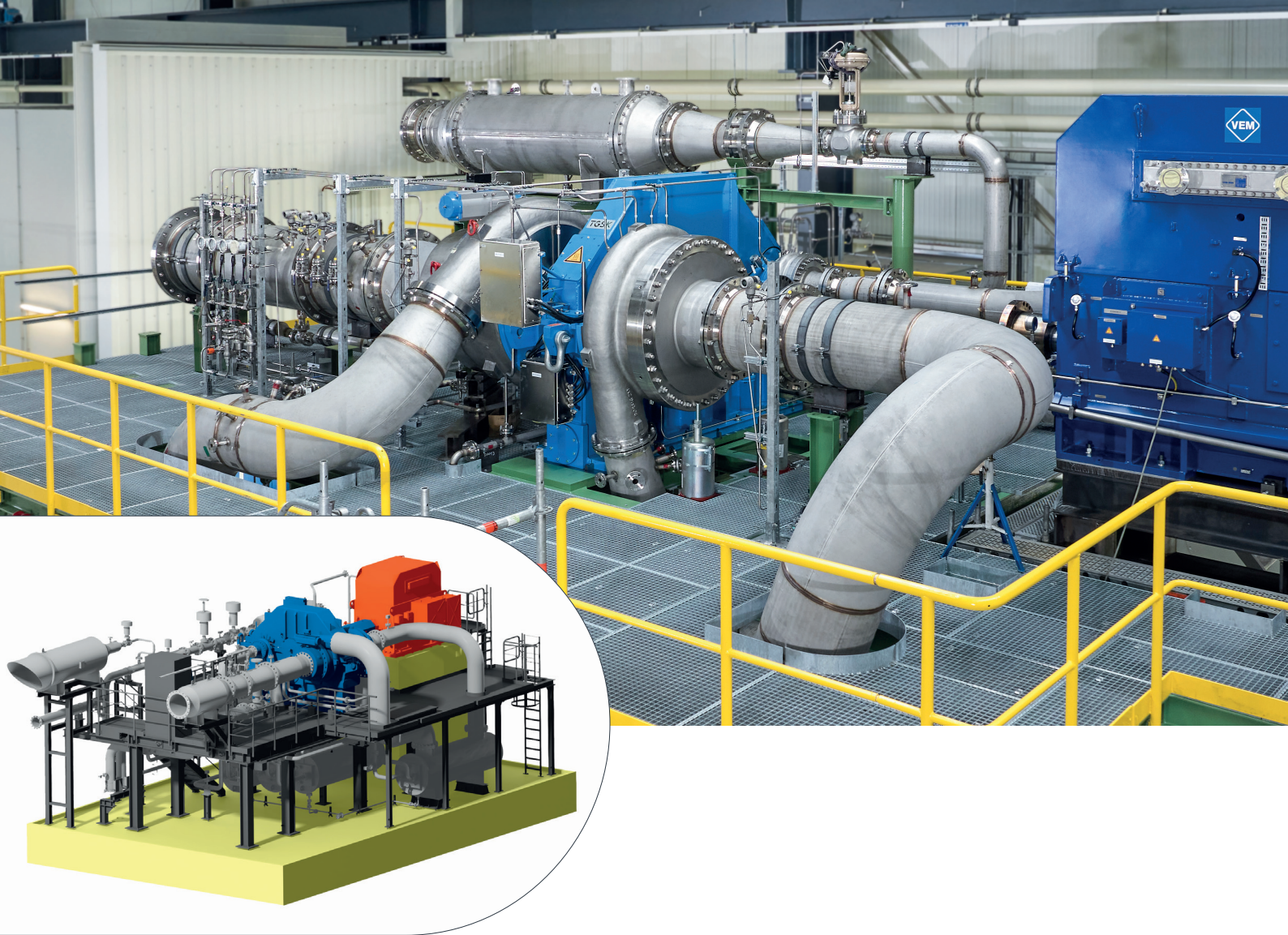
This single-source approach minimises interface risks and ensures design consistency across all project phases, delivering reliable plant availability once operations begin.

Our CO₂ solutions

Membrane-based CO₂ separation systems

- Energy-efficient separation and enrichment of CO₂ from flue and process gases
- Modular design suitable for retrofitting into existing plants





High-performance CO₂ integrally geared centrifugal compressors for CCUS applications

- Customer-specific, process-optimised design for a wide range of requirements
- Efficient compression and transfer of CO₂ to pipelines, storage tanks, or downstream processing
- Low operating and maintenance costs, combined with high energy efficiency and flexible control.

Added value for the environment and process economics

- Reduces your CO₂ footprint
- Ensures compliance with current and future climate and emissions requirements
- Creates economic value through CO₂ utilisation and new revenue potential
- Increases efficiency and operational reliability through proven industrial technology

BORSIG – engineering a lower carbon capture future.

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**Think.
Create.
Change.**