



Product Roadmap

The way to 2028

Building up on a strong foundation ...



**Strong Partners,
worldwide**



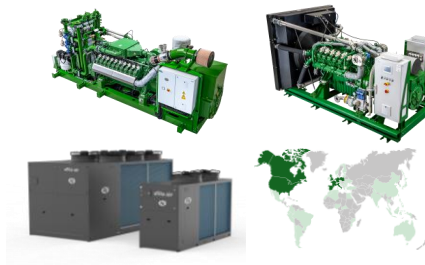
Customer focus, Service, Digital



2G Team



Technical Know-How | IP

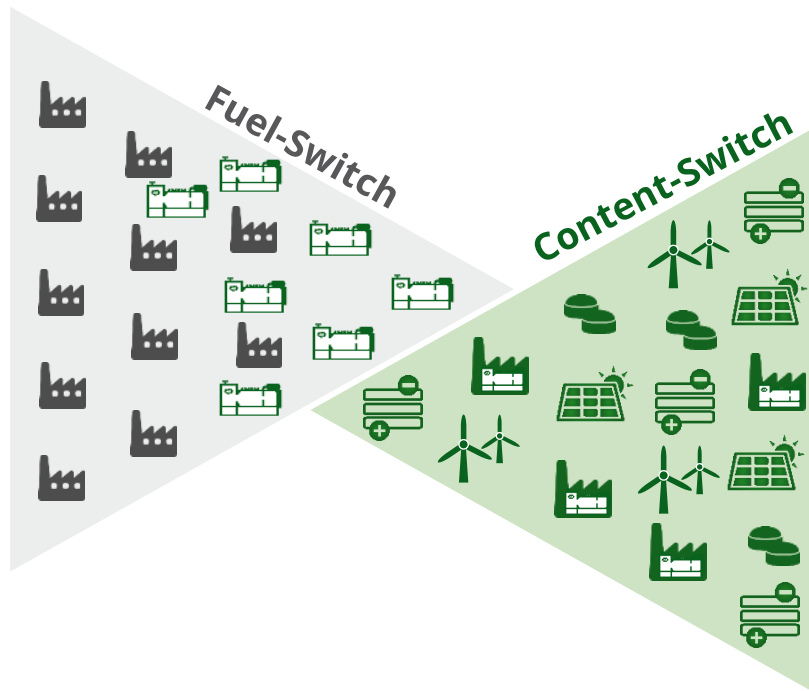


Diversification



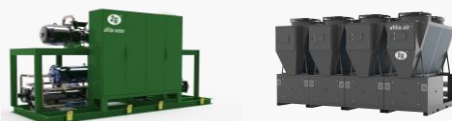
2G Culture

... we create technology to support the path to zero



-  Oil or coal-fired power plants
-  Gas-fired power plants
-  Photovoltaics
-  Biogas plants
-  CHP
-  Wind
-  Power to Gas

2G Product Portfolio | Long – and Short-term

Power Supply 20 kW – 4.500 kW		Heat Supply 44 kW – 5.000 kW	
Gas2Power  Biogas Biomethan Natural Gas LPG Hydrogen	CHP 	Heat Pumps  NH3 Propan (Iso) Butan	
Container Solutions			
Project Development Customer Solutions			
Finance Concepts			
Service			

What does that mean for CHP in the future?



Today biogas,
biomethane,
natural gas

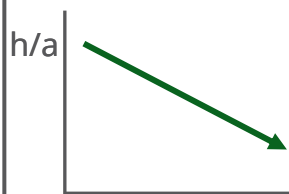


...tomorrow H2,
biogas,
biomethane

Operation with hydrogen &
renewable gases



Larger
CHP...



... fewer operation
hours...



...larger
Heat storages

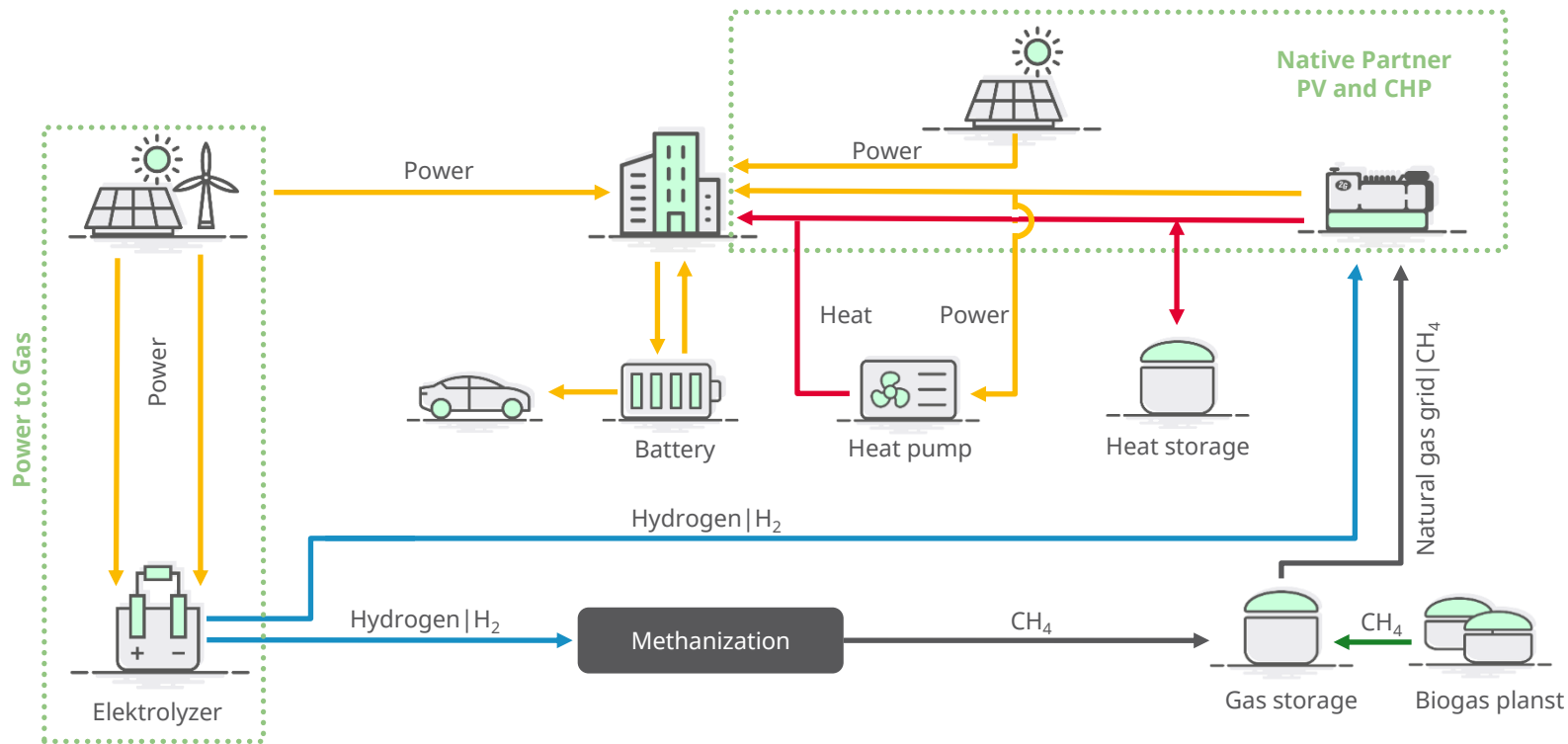
Increasing installed CHP capacity
In each project

- Immediate response to market signals
- Downtime avoidance
- Intelligent maintenance
- Self learning machines



intelligent & digital integration
into the energy mix

CHP – Backbone of the Energy Transition



100% H2 Engines: Part of the Journey to a Zero Carbon Future

- 100% H2 Engines ranging up to 750kW
- > **35x** 100% H2 CHP running globally
- Retrofit skid available from Natural Gas to 100% H2
- Dynamic fuel blending capabilities
- Up to 40%vol H2 blending without modification possible





Current product portfolio Hydrogen 50 Hz

Type	Output		Efficiency Rate		
	Electrical	Thermal	Electrical	Thermal	Total
agenitor 404 H2	115 kW	116 kW	37.8 %	38.0 %	75.8 %
agenitor 406 H2	170 kW	159 kW	40.1 %	37.5 %	77.6 %
agenitor 408 H2	240 kW	231 kW	40.8 %	39.3 %	80.1 %
agenitor 412 H2	360 kW	336 kW	40.6 %	37.9 %	78.6 %
agenitor 416 H2	600 kW	602 kW	42.0 %	42.1 %	84.2 %
agenitor 420 H2	750 kW	735 kW	42.1 %	41.2 %	83.3 %

@ 0,1g / Nm³ NOx | Exhaust cooling system at 120°C



Current product portfolio Hydrogen 60 Hz 480V

Type	Output		Efficiency Rate		
	Electrical	Thermal	Electrical	Thermal	Total
agenitor 404 H2	115 kW	119 kW	36.3 %	37.7 %	74.1 %
agenitor 406 H2	170 kW	163 kW	38.8 %	37.2 %	75.9 %
agenitor 408 H2	240 kW	233 kW	39.5 %	38.3 %	77.8 %
agenitor 412 H2	360 kW	344 kW	39.1 %	37.3 %	76.3 %
agenitor 416 H2	600 kW	597 kW	40.7 %	40.5 %	81.2 %
agenitor 420 H2	750 kW	738 kW	40.3 %	39.7 %	80.0 %

@ 0,1g / Nm³ NOx | Exhaust cooling system at 120°C

Product portfolio Propane

- Qualifying 2G engines also for propane/LPG
- Lean burn and Lambda-1 (rich burn) available as propane variant
- Depending on configuration direct change between Natural Gas and Propane possible



Current product portfolio Propane 50 Hz

Type	Output		Efficiency Rate		
	Electrical	Thermal	Electrical	Thermal	Total
agenitor 404c LPG	135 kW	173 kW	37.6 %	48.2 %	85.8 %
agenitor 406 LPG	200 kW	246 kW	38.4 %	47.3 %	85.8 %
agenitor 408 LPG	280 kW	337 kW	38.9 %	46.9 %	85.8 %
agenitor 412 LPG	420 kW	507 kW	38.9 %	47.1 %	86.1 %
avus 416plus LPG	600 kW	692 kW	39,9 %	46.1 %	86.0 %
avus 1000plus LPG	750 kW	855 kW	40.2 %	45.9 %	86.2 %
aura 404 LPG	95 kW	172 kW	32.1 %	57.9 %	90.0 %
aura 406 LPG	140 kW	255 kW	32.3 %	58.9 %	91.2 %
aura 408 LPG	200 kW	363 kW	32.6 %	59.1 %	91.7 %
aura 412 LPG	310 kW	555 kW	32.6 %	58.4 %	91.0 %

Technical data under reservation

agenitor
aura

@ 0,5g / Nm³ NOx | Exhaust cooling system at 120°C
@ 0,1g / Nm³ NOx | Exhaust cooling system at 105°C

Current product portfolio Propane 60 Hz 480V

Type	Output		Efficiency Rate		
	Electrical	Thermal	Electrical	Thermal	Total
agenitor 404c LPG	160 kW	207 kW	37.4 %	48.5 %	86.0 %
agenitor 406 LPG	240 kW	296 kW	38.3 %	47.3 %	85.6 %
agenitor 408 LPG	335 kW	406 kW	38.8 %	46.9 %	85.9 %
agenitor 412 LPG	500 kW	610 kW	38.7 %	47.1 %	85.9 %
avus 416plus LPG	720 kW	835 kW	39.9 %	46.3 %	86.3 %
avus 1000plus LPG	900 kW	1046 kW	39.9 %	46.2 %	86.1 %
aura 404 LPG	100 kW	171 kW	34.0 %	58.1 %	92.1 %
aura 406 LPG	170 kW	290 kW	34.1 %	58.3 %	92.5 %
aura 408 LPG	240 kW	414 kW	34.5 %	59.5 %	94.0 %
aura 412 LPG	360 kW	618 kW	34.6 %	59.4 %	94.1 %

Technical data under reservation

agenitor
aura

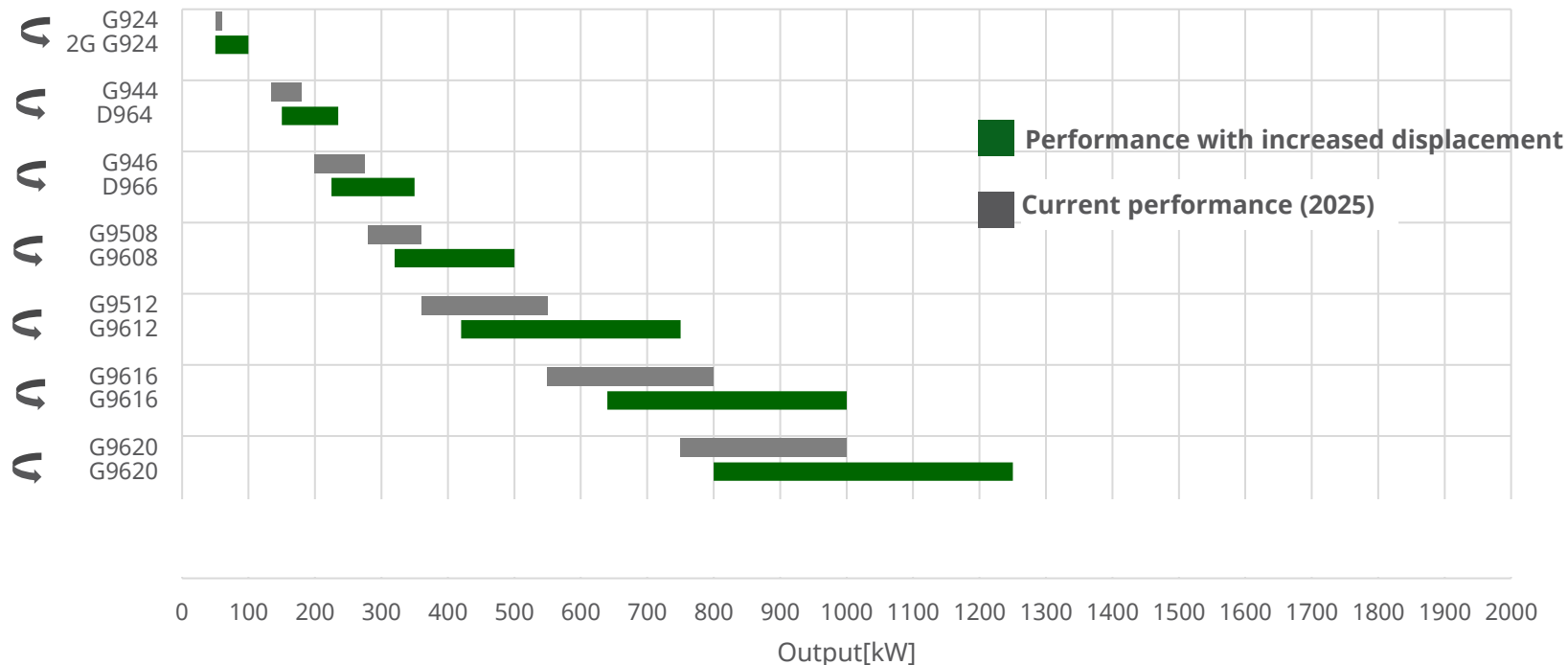
@ 0,5g / Nm³ NOx | Exhaust cooling system at 120°C
@ 0,1g / Nm³ NOx | Exhaust cooling system at 105°C

Portfolio CHP Systems

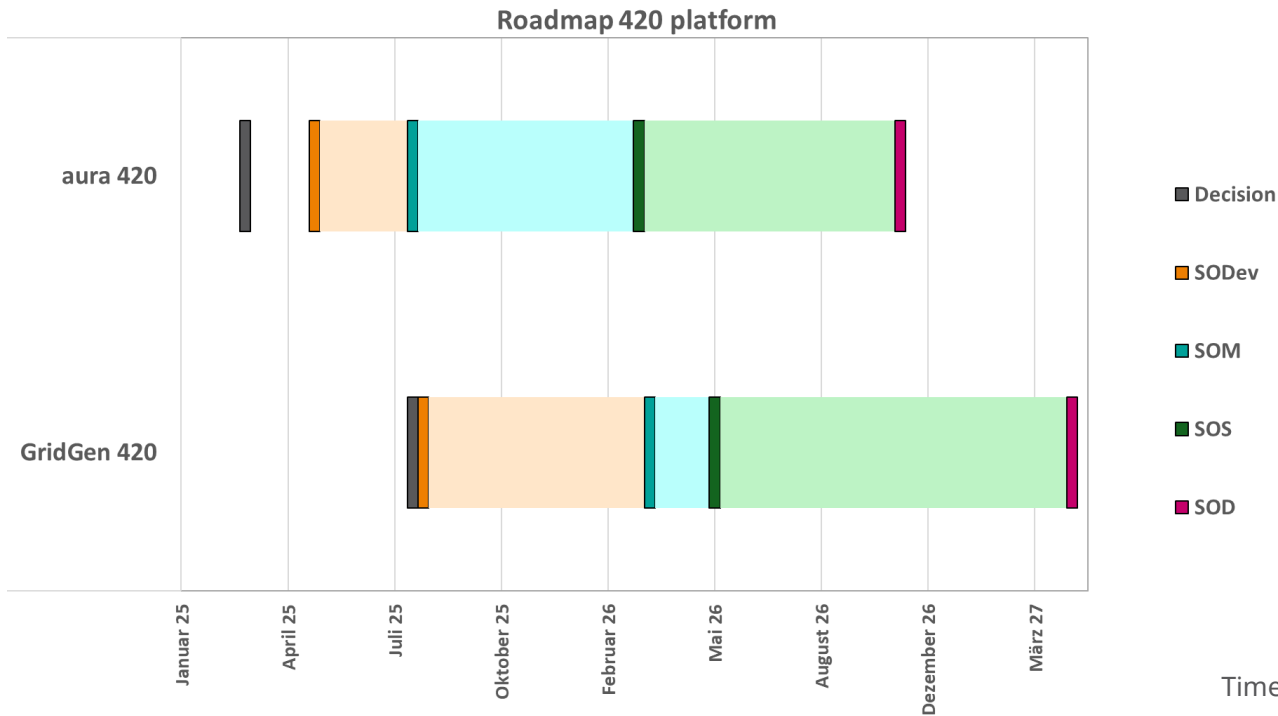
Product Group	Power Range	Type of fuel
g-box	20 to 50 kW	Natural Gas Biogas Liquid Gas
aura	100 to 420 kW	Natural Gas Hydrogen
agenitor	80 to 500 kW	Natural Gas Hydrogen
avus	400 to 4.500 kW	Natural Gas Biogas Hydrogen
Demand Response	600 kW to 650 kW	Natural Gas Propane Hydrogen



Performance improvement of all 2G module classes



New products based on 420 platform



Specialist for Container Solutions

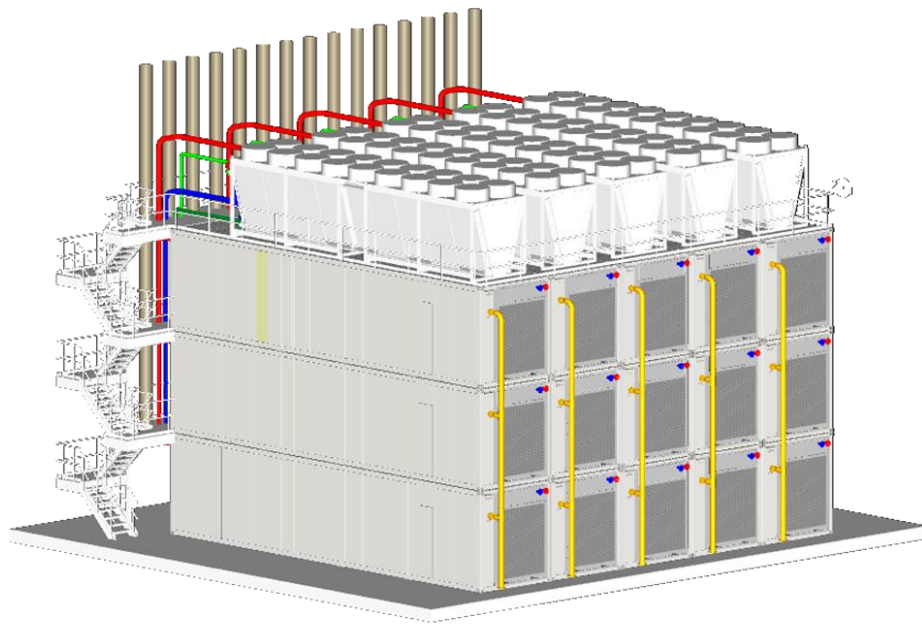


Specialist for Container Solutions



2G Container Solution

- Stackable Container Gasengine Solution
- 99.99 % available power / no interruption N + (x)
- 1035 kWel per Container Unit
- High efficiency level up to 43,7 % (50Hz)
- Low emissions with SCR catalyst
- Heat Recovery Additional (now or later)
- Low TCO with 4000h Maintenance shedule
- Super Fast installation
- Up to 55 dB(A) in 10m sound emission
- 100% - H2 proven
- Thermal and cooling solutions
- High Power quality



2G Campus Heek

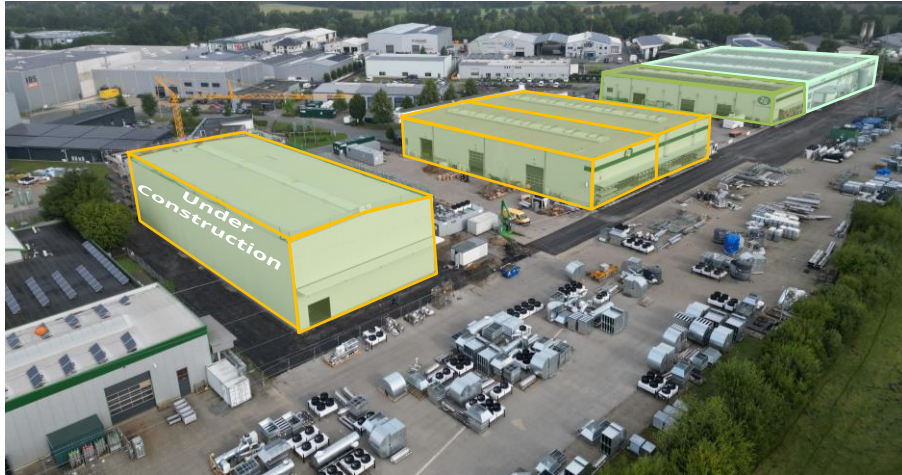


Show the expansion potential at the rear of the industrial park here. Also, help lead the heat pump production in the Isfort Hall (formerly Gausling Engineering)!

Production capacities in Heek

6 production halls

- 4 container halls
- 4,800 m²
- 24 container expansion spaces



Fertigungskapazitäten in Heek

6 container expansion bays for projects up to 60 tons

6 container expansion bays for projects up to 40-60 tons

6 container expansion bays for projects up to 60 tons

6 container expansion bays for projects up to 32 tons

6 production halls

- 4 container halls
- 4,800 m²
- 24 container expansion spaces



New production hall

Hall doors accessible with Combilift





**Thank you very much
for your attention**