A child with curly hair, wearing a red knitted sweater, stands with their back to the camera in a lush green field. Their arms are raised high in the air, palms facing forward. The field is filled with green grass and small yellow wildflowers. In the background, a line of trees is visible under a cloudy sky.

We Care for a Better Future.



2G. Company Presentation.

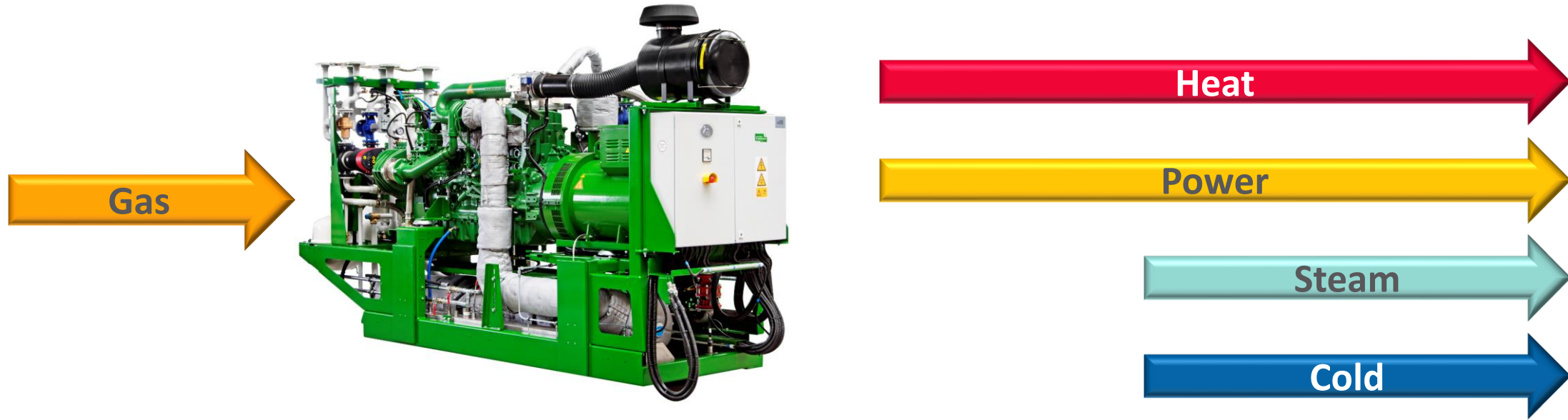
2G. Cogeneration.



Agenda

1. **Combined Heat & Power**
2. 2G Energy AG
3. References

Functionality of a Combined Heat and Power Plant (CHP).



Technical advantages CHP:

- The heat of the combustion process can be used (more than 90% total efficiency)
- Decentral and highly flexible
- Reliable System (Security of Supply)



Agenda

1. Combined Heat & Power
- 2. 2G Energy AG**
3. References



Key Datas.

- Founded 1995 - Headquarters in Heek in North West of Germany
- Solution provider: development, project engineering, production, service, plants for biogas and natural gas applications
20 – 2.500 kW electrical power
- Strong focus on R&D
- 10 national and international subsidiaries
- Since 2007 listed at the German stock market
- 600 employees
- >6.500 CHP plants in more than 50 countries worldwide
- First pure H₂ driven CHP units successful in operation



Portfolio.

Product Group	Power Range	Type of fuel
g-box	20 to 50 kW	Natural Gas / Liquid Gas
aura	100 to 150 kW	Natural Gas
patruus	50 to 263 kW	Natural Gas / Biogas
agenitor	80 to 450 kW	Natural Gas / Biogas
avus	400 to 2.500 kW	Natural Gas / Biogas



Unique Selling Points.

Broad Product portfolio:
20 – 2.000 kW

R&D for gas engines with
max. efficiency

Biogas Cleaning solutions

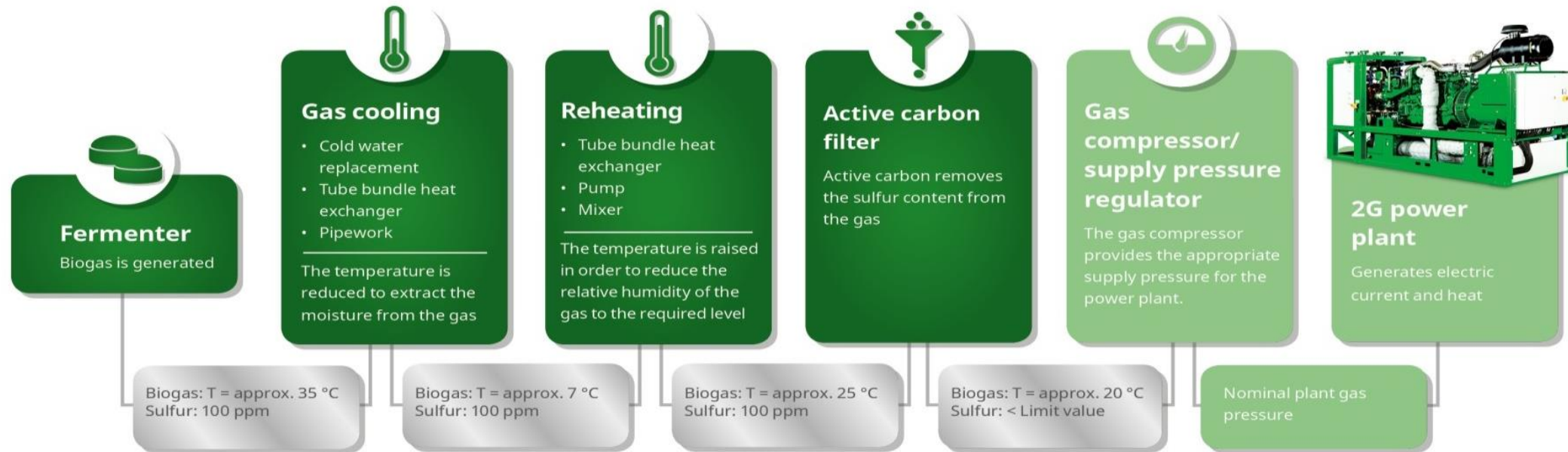
National / international
Service network

Project management



Biogas preparation.

The generated biogas has 100% moisture saturation and contains also hydrogen sulfide. To extend the service life and components a biogas treatment is beneficial.





Agenda

1. Combined Heat & Power
2. 2G Energy AG
- 3. References**

Zubehör
Scottish Water.



**Scottish
Water**
Trusted to serve Scotland

Field of use:	Waste water treatment
City:	Cumbernauld Scotland
CHP Type:	2x avus plus
Gas Type:	Sewage gas
Electrical Output:	2x 550 kW
Thermal Output:	2x 550 kW
Installation:	2x Container

2G. Kraft-Wärme-Kopplung.

Howla Hay Farm.



JFS & Associates
anaerobic digestion specialists



Field of use:	Biogas Plant
Location:	Guisborough Great Britain
CHP type:	agenitor 306
Gas type:	Biogas
Electrical output:	250 kW
Thermal output:	265 kW
Installation:	Container



2G. Kraft-Wärme-Kopplung.

Field of use:	Biogas plant
Location:	Stoetze, Germany
CHP type:	avus 800b & patruus 370
Gas type:	Biogas
Electrical output:	1.259 kW
Thermal output:	1.306 kW
Installation:	Container


08.10.2020

www.2-g.com

The Nolli Farm



Field of use:	 Biogas plant
Location:	Mirabello Ciria, Italy
CHP type:	filius 404
Gas type:	Biogas
Electrical output:	100 kW
Thermal output:	110 kW
Installation:	Container

A large, white, rectangular industrial container housing a CHP unit. It features a tall, silver, cylindrical stack with a yellow safety railing around the top platform. The unit is situated outdoors on a dirt area under a clear blue sky. The '2G' logo and website are visible on the side of the container.

Field of use:	Biogas plant
Location:	Corowa, Australia
CHP type:	avus 500plus
Gas type:	Biogas
Electrical output:	500 kW
Thermal output:	518 kW
Installation:	Container



Thank you very much for your attention!



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