

Eurogas

Methane Emissions Conference

Domestic Dimension | DSOs



About Thüga



Employees (in Germany, 2024)

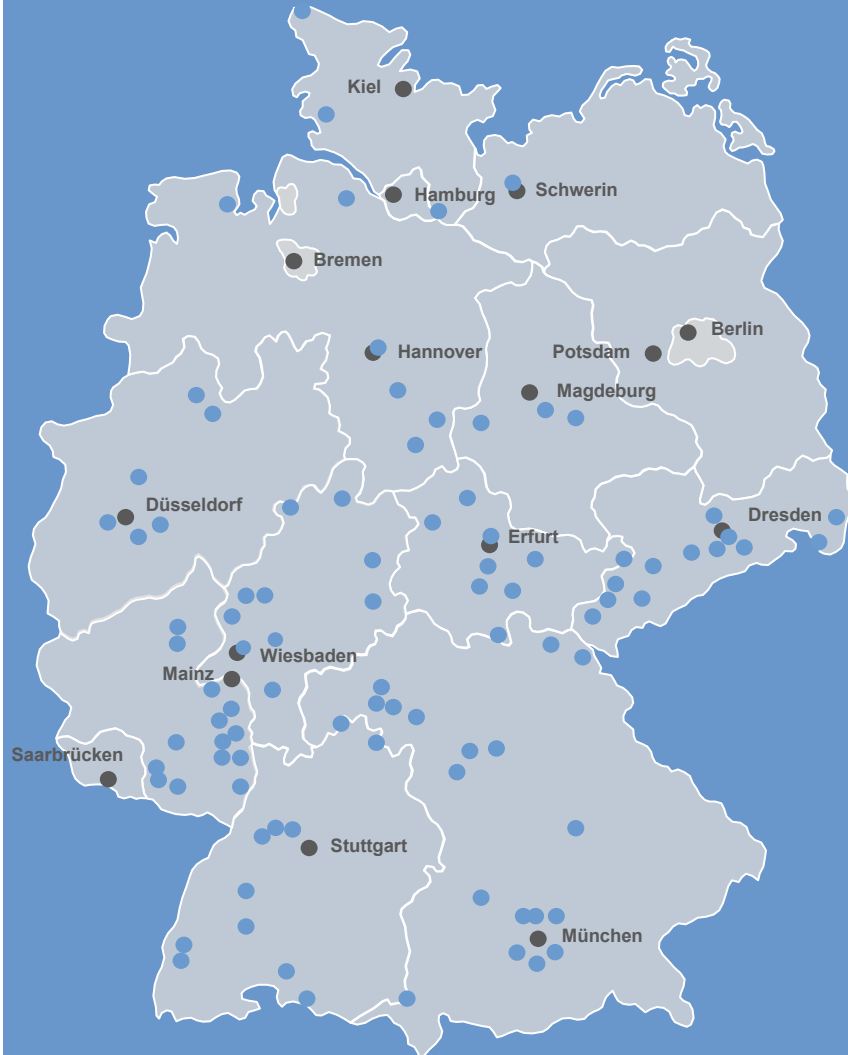
1. **e-on** 42.293
2. **+thüga** 27.200
3. **EnBW** 27.005
4. **RWE** 14.470



German DSOs Natural Gas (Length, 2024)

1. **e-on** 94.000 km
 2. **+thüga** 81.000 km
 3. **EWEnetz** 57.000 km
 4. **NETZGESELLSCHAFT BERLIN·BRANDENBURG** 14.000 km
- (Spain: ~ 85.000 km)

About Thüga



Upstream, Transmission and Distribution are different... (Annex II / frequency)



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Upstream, Transmission and Distribution are different... (Annex II / frequency)



Design Pressure	Type of Component	Frequency	
		Typ 1 LDAR-survey	Typ 2 LDAR-survey
Design pressure > 16 bar*	Cast iron	3 months	6 months
	Bitumen sheathed		
	Asbestos	6 months	12 months
	Ductile casting		
	Steel without PPS	12 months	24 months
	Copper		
	PE	24 months	36 months
	PVC		
	Steel with Corrosion protection	4 months	8 months
	Compressor stations		
Design pressure ≤ 16 bar	Regulating and metering station	9 months	18 months
	Valve Station		
	Cast iron		6 months
	Bitumen sheathed		12 months
	Asbestos		24 months
	Ductile casting		36 months
	Steel without PPS		9 months
	Copper		21 months
	PE		
	PVC		
	Steel with Corrosion protection		
	Compressor stations		
	Regulating and metering station		
	Valve Station		

... so are measuring techniques... (IA LDAR / thresholds)



... so are measuring techniques... (IA LDAR / thresholds)



... so are measuring techniques... (IA LDAR / thresholds)

To the Cloud

- Analysator:
Messung
verschiedner
Gase (inkl.
Methan, Ethan
und anderer)

ONE SIZE
TO FIT THEM
ALL...?



On cost-effectiveness and proportionality I (de-minimis rule on venting and flaring)



On cost-effectiveness and proportionality I (de-minimis rule on venting and flaring)

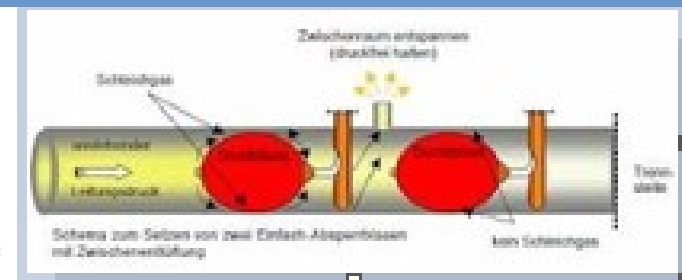
Article 15

Restrictions on venting and flaring

1. Venting shall be prohibited except in the circumstances provided for in this Article. Routine flaring shall be prohibited.
2. Venting or flaring shall be allowed only in case of an emergency or malfunction.
3. Notwithstanding paragraph 2, venting or flaring shall be allowed where unavoidable and strictly necessary and subject to the reporting obligations set out in Article 16.

Venting and flaring shall be deemed to be unavoidable and strictly necessary in the following specific situations where venting or flaring, as applicable, cannot be completely eliminated or is necessary for safety reasons:

- (a) during normal operations of pneumatic devices, compressors, atmospheric pressure storage tanks, sampling and measuring devices and dry gas seals, or other components designed to vent, provided that such equipment meets the standards or technical prescriptions established under Article 32 and is properly maintained to minimise methane losses;
- (b) to unload or clean-up liquid holdup in a well to atmospheric pressure;
- (c) during gauging or sampling a storage tank or other low-pressure vessel, provided that the tank or vessel meets the standards or technical prescriptions established under Article 32;
- (d) during transferring liquids from a storage tank or other low-pressure vessel to a transport vehicle provided that the tank or vessel meets the standards or technical prescriptions established under Article 32;
- (e) during repair, maintenance, test procedures and decommissioning, including blowing down and depressurising equipment to carry out repair and maintenance;
- (f) during a bradenhead test;
- (g) during a packer leakage test;
- (h) during a production test lasting less than 24 hours;



On cost-effectiveness and proportionality II (Regulating and metering stations)



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On cost-effectiveness and proportionality II (Regulating and metering stations)



Thank you for your attention!



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Credits (photos):

4 | pxhere.com/IlyaYurukin

5 | Thüga Energie

7 | Picarro

8, 12-14 | Thüga, DBI, schwaben Netz

9 | AI-generated

10 | Wikimedia (commons)