AEREON owns and operates the largest specialized flaring fleet in Europe. Our current fleet of 18 CEB® flaring units, with a combined thermal capacity of 685 MWth, is dedicated to the efficient and effective destruction of harmful and dangerous gases and vapours.

We offer the following flaring services:

- On-shore oil and gas industry: upstream exploration drilling, well testing, production phases.
- Natural gas (transit) transport pipe lines: pressure relief, preparing for repair-maintenance.
- General pipe lines: pressure relief, destruction of gases during the degassing process during pigging/cleaning/inerting/testing/preparation.
- Tank parks: destruction of gas/vapour during cleaning operations.
- (Petro-) chemical industry: destruction of gas/vapour during reactor and pipe line cleaning/inerting.

The advantages of using our flaring services:

- Increase of total flaring capacity.
- One stop shop for full flaring project execution.
- Organization with over 30 years experience.
- Highly experienced and well trained engineers/operators.
- Active in all countries of the E.U.
- Highly specialized flaring technology.
- Professional and flexible approach.
- Rig-up/rig-down time of 24 hours.

Keep the environment clean and meet regulatory compliance:

- No luminous flame
- No odour
- No heat radiation
- No smoke
- Low height
- Small footprint

Very low emission levels within the operating range:

- NOx < 15 ppm
- CO < 10 ppm
- CxHy (VOC’s) < 10 ppm

Destruction and Removal Efficiency (DRE):

- 99.99% over full operational range
AEREON’s CEB® system/technology landmarks:

- Processing of a large range of mixed gases and vapours, also mixed compositions (active CEB® systems).
- Highest possible DRE of 99,99%. No harmful/dangerous traces, no soot, no odour/smell.
- Low presence profile: No visible flame, very low noise level, no heat radiation, low overall height.
- Full acceptance of in-process changes of: flow, gas composition, caloric value (active CEB® systems).
- Lean gas processing (down to 4 MJ/Nm³ or 10% Methane Equivalent). 
- Lowest requirement of support gases (active CEB® systems).
- Short start-up time: from stand-by to full operational in less than 1 minute (active CEB® systems) to 4 minutes (passive CEB® systems).
- High turn-down ratio, 10:1 or better for the active CEB® systems.
- Gases and vapours need to be free of liquids and particles.

AEREON’s CEB® Flaring Systems:

- General: inlet pressure range: 100 Bar(g) - 25 mbar(g), system and gas depending.
- AEREON’s CEB4500 (passive CEB® systems): nominal thermal capacity 45 MWth; high pressure input range 1.2 - 8.0 bar(g); maximum flow rate at 8 bar(g) inlet pressure of 4.170 Nm³/hour (+/-1%) or 100.000 Nm³/day (+/-10%); minimum flow rate at 1.2 bar(g) inlet pressure of 1.200 Nm³/hour (+/-10%) or 28.800 Nm³/day (+/-10%). Both based on 100% Methane/GHV of 39.82 MJ/Nm³.
- AEREON’s CEB350 (active CEB® system): nominal thermal capacity 3.5 MWth; low pressure input range 20 - 200 mbar(g); maximum flow rate of 317 Nm³/hour or 7.600 Nm³/day, based on 100% Methane/GHV of 39.82 MJ/Nm³. In case of gas with higher caloric value the max flow will be equal lower. In case of gas with lower caloric value the max flow will be equal higher.
- All CEB® units can be used in a modular set-up in order to match the thermal load and/or flow rate requirements of the project.
- We complete our CEB® systems with pressure reduction and process control gas trains, safety control gas trains, rigid and flexible piping, gensets, etc.
- The CEB® (Certified Ultra-low Emission Burner) technology is based on our patented premix metal fibre surface combustion, which results in millions of short blue flames with instant thermal oxidation of all (99,99%) VOC’s.