



## The European gas network European directives in industrial gas installations

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1



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Marcogaz paper is made by:  
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2



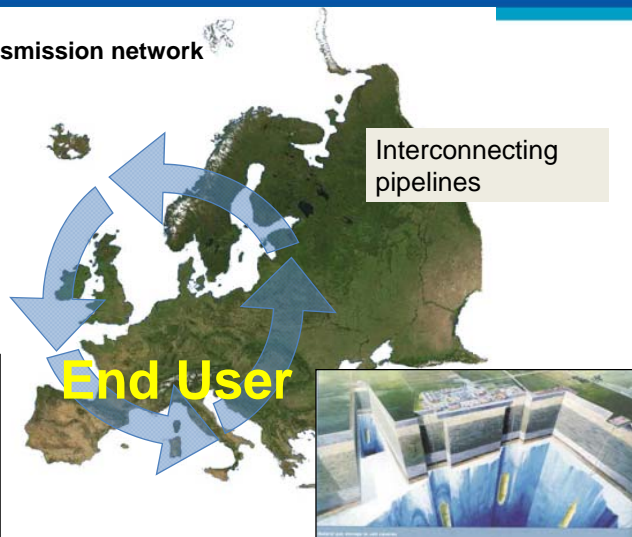
## Content

- Overview natural gas
- Marcogaz poster
- 2 Examples
  - Gas Line (Burner Pipeline)
  - Industrial Gas Installations
- Summary
- Contact information

3



## The European gas transmission network



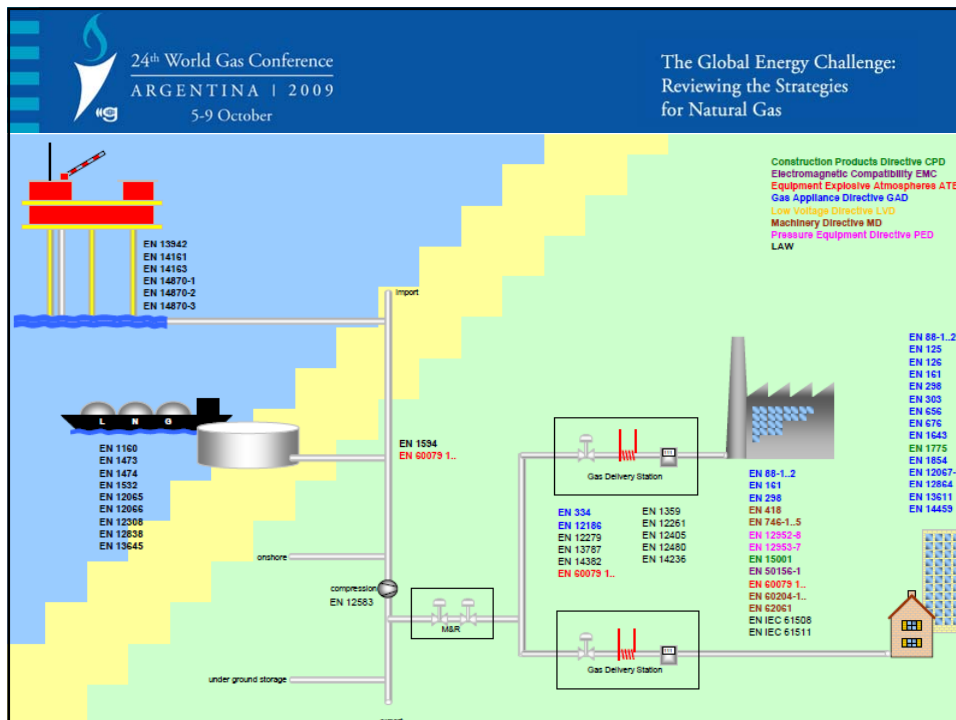
4



### European Directives (Gas related)

- Energy End Use Efficiency 2006/32/EC for boilers
- Construction Products Directive (CPD)
- Electromagnetic compatibility (EMC)
- Equipment Explosive Atmospheres (ATEX)
- Gas Appliance Directive (GAD)
- Low Voltage Directive (LVD)
- Machinery Directive (MD)
- Pressure Equipment Directive (PED)
- Public Procurement Directive (PPD)

→ Harmonized EU-standards





### Scope of this paper

From gas pipework downstream of the “point of delivery” up to and including the “industrial thermal process”.

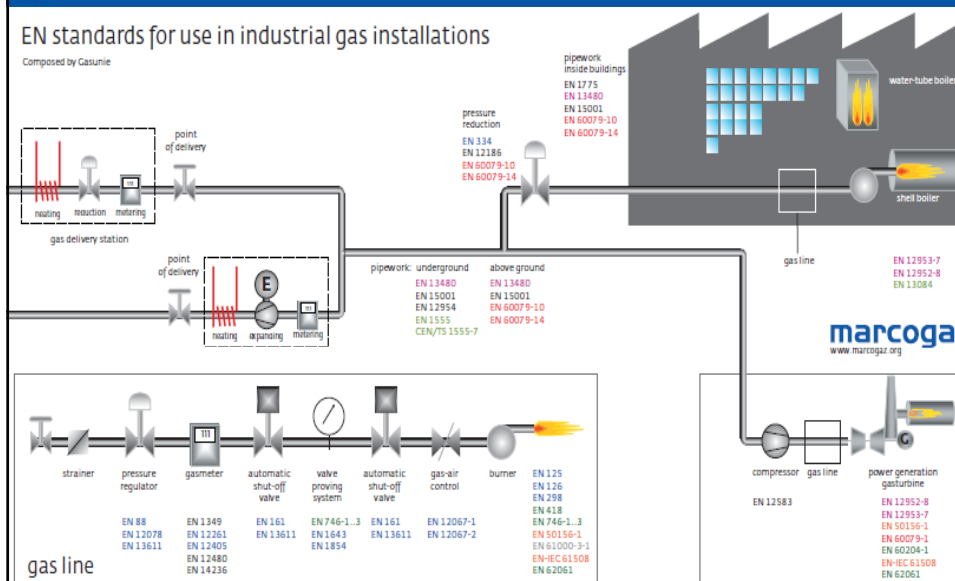
Industrial thermal process, examples:

- Shell boiler
- Incinerator
- Tunnel furnace
- Gas turbine



### EN standards for use in industrial gas installations

Composed by Gasunie





Calcination drum (rotating)



## Summary

The methodology used aimed at:

- Identification of the main components of the industrial gas installations;
- Identification of the relevant standards and Directives for each component.



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Thank you for your attention!