



SAACKE



Hoval

QUINN radiators



VIESMANN



Honeywell

– weishaupt –

ENERTECH



IRSAP  
creating your comfort



erensan<sup>u</sup>



oventrop



elster



VASCOGROUP



Assotermica



ATTB



# Network Code on Interoperability Gas Quality *Wilfried Linke*



SIEMENS

ferroli

Roth



BuildingClimate  
Switzerland

# EHI – who are we?

EHI represents and promotes the common interests of **39 European market leaders** producing thermal comfort equipment and **14 industrial associations**.

**Market:** members represent 90% European market for heat & hot water generation, heating controls and heat emitters (radiators, under-floor heating); 75% hydronic heat pump market.

**Portfolio:** heating systems, burners, boilers, heat pumps, components and system integrators, radiators, surface heating & cooling and renewable energy systems.

**Annual sales:** more than 20 billion euro and direct employment of more than 120.000 people in Europe.

**Investments:** EHI members invest more than half a billion euro a year in energy efficiency.

# EHI's activities and messages

## **Place ENERGY EFFICIENCY at the forefront of EU policy**

- \* Ecodesign framework legislation
- \* Energy Performance of Buildings Dir.
- \* Energy Efficiency Directive
- \* Energy security

## **Promote LOW CARBON and RENEWABLE heating**

- \* Renewable Energy Sources Directive
- \* Network codes requirements for energy generators
- \* Roadmaps: low carbon, energy 2050

## **Raise PRODUCT STANDARDS, improve SAFETY and CONSUMER INFORMATION**

- \* Energy Labelling, Ecolabel, GPP
- \* Gas quality harmonisation
- \* Gas appliances Regulation
- \* Product safety package

## **Protect the CLIMATE and the ENVIRONMENT**

- \* Air quality (Medium Combustion Plants Directive)
- \* F-gases Regulation
- \* Waste management (WEEE / ROHS)
- \* Resource efficiency & sustainability

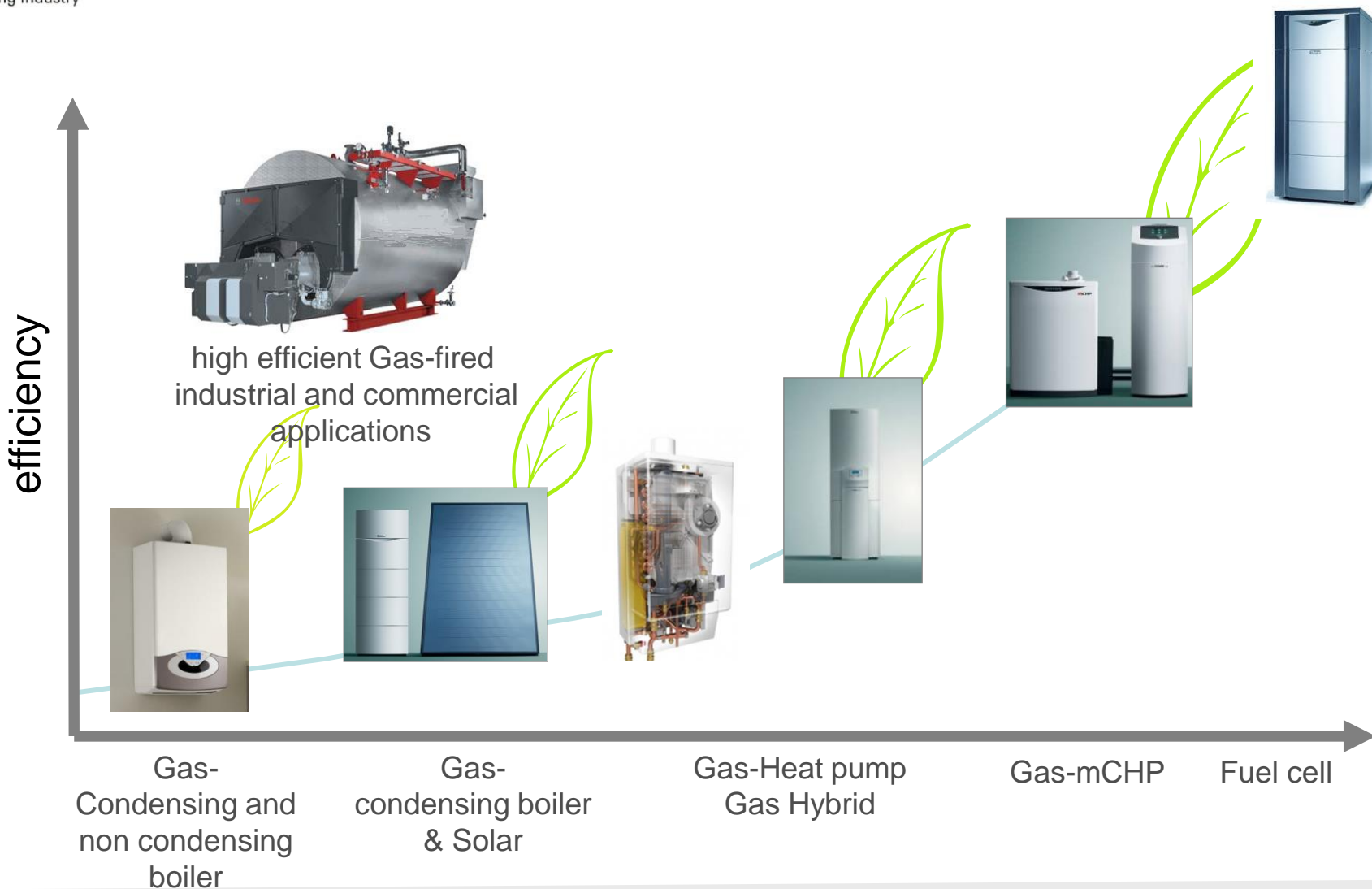
## **Stimulate REPLACEMENT of inefficient equipment to IMPROVE overall ENERGY PERFORMANCE**

- \* Energy Efficiency Directive
- \* Energy Performance of Buildings Dir.

## **Improve MARKET SURVEILLANCE across Europe**

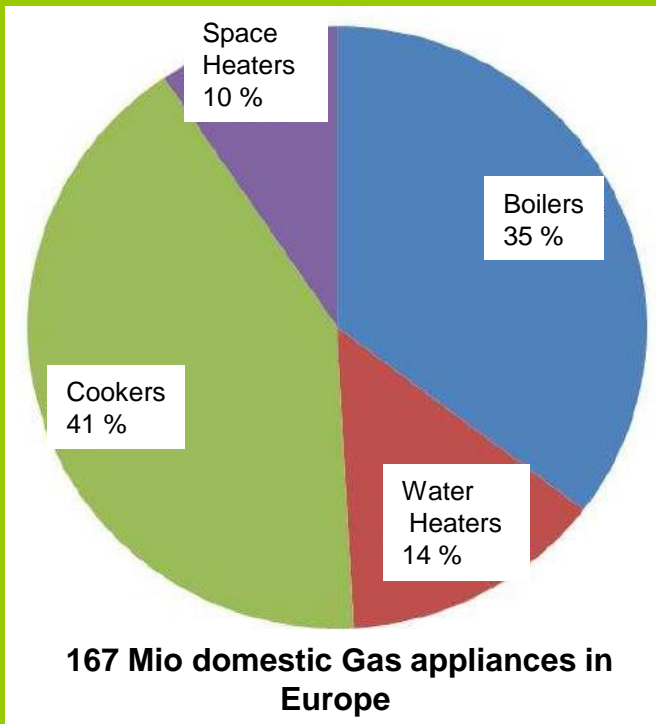
- \* Market Surveillance package
- \* EU projects (Ecoplant)
- \* Pre-market conformity assessment

# Gas heating appliances at a glance

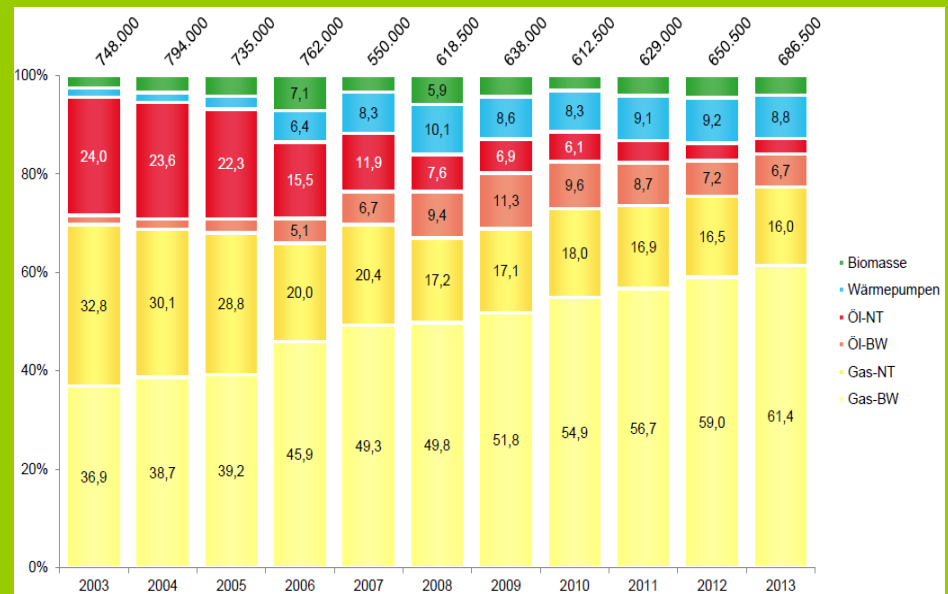


**Highly efficient solutions** for all applications are already **available**  
...with the current gas qualities

# Gas as the main fuel in heating today



Example for Germany



**EHI** represents more than **90 %** of the heating **appliances market**, including **industrial** and **commercial applications**.  
**Gas** will keep playing a **role in the future**

# Interoperability

46%\* of primary energy used for heating and cooling is gas:

- to heat buildings and to produce sanitary hot water
- for commercial and industrial application such as hot water and steam production, process air heating, etc
- The installed stock of heating appliances in Europe = 167 Million gas appliances

## **In the future:**

- The complete decarbonisation is a long term goal of the EU (2050), not achievable in the short term.
- Renewable heat technologies exist but still have little market penetration.

**For these reasons it is important that gas keeps its reliability as a secure and safe fuel for domestic and commercial purposes.**



# Interoperability

EHI position within the standardization process:

- Wobbe Index discussion **has to** be kept aside;
- The gas quality needs to be reliable, so that it is acceptable for the existing stock of appliances;
- The gas quality can be distributed differently in regions but should not change frequently;

**All stakeholders should be involved in developing a suitable Network Code, covering safety and environmental requirements, in order to deliver a reliable gas quality to the consumers.**

# Interoperability

- **The scope:** the whole value chain

The NC should cover the whole value chain (as the gas at the end will reach the end user);

- **Implementation timing:** the timing should be flexible;

- **Allowance for off-spec gas:** TSOs (or DSOs) **can't accept gas outside** the standard;

- **Flexible limits:** Network operators and concerned parties (**including the whole gas chain**) carry out a joint impact assessment demonstrating the limit that could be applied and then NRA(s) decides;

- **How to reach this goal?**

Not in one step, but step by step.



# **Thank you for your attention**

## **Questions?**

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