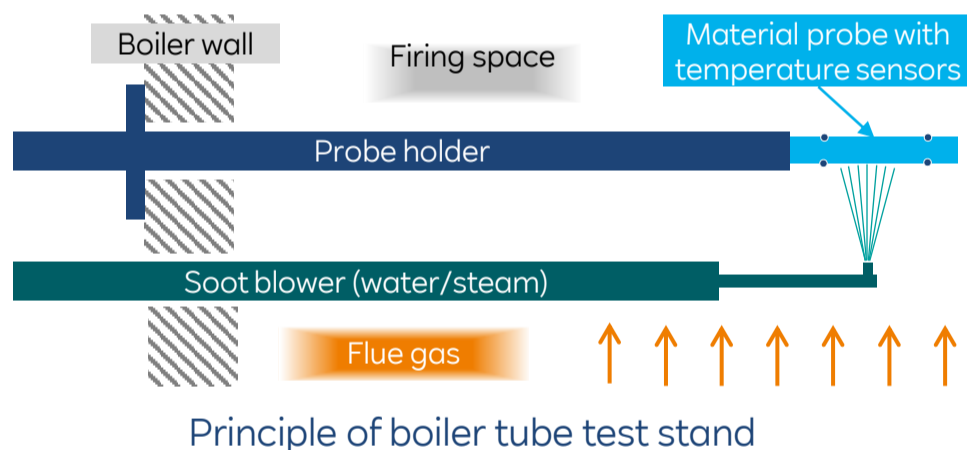


Innovation pathway

Boiler tube test stand

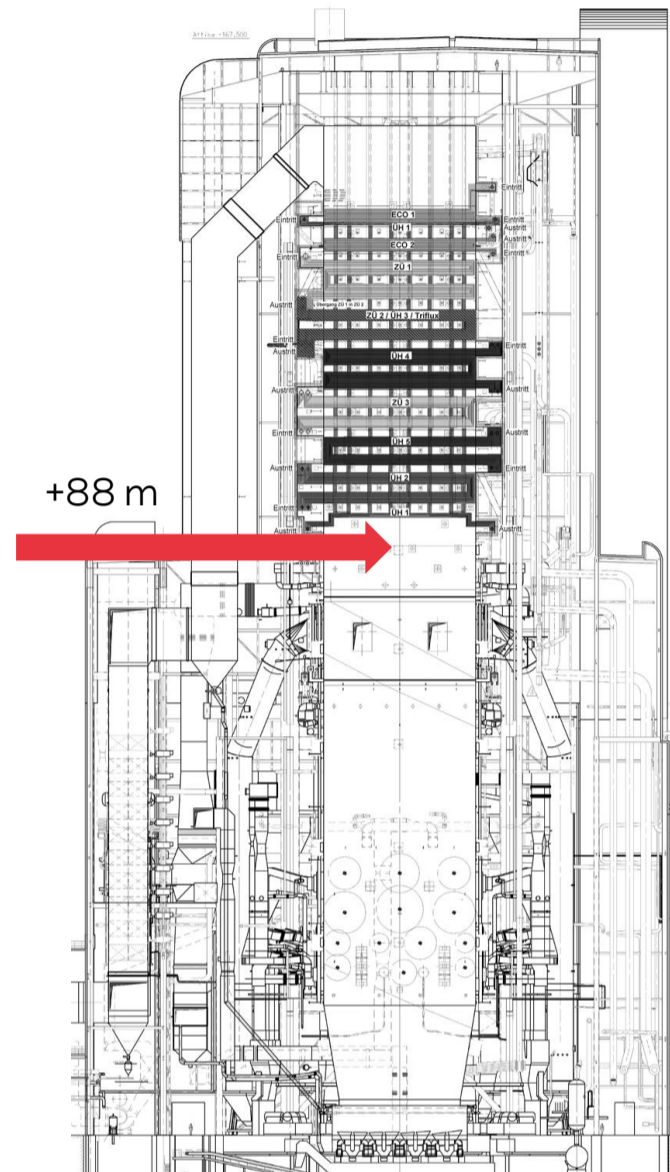
The boiler tube test stand is used to examine and evaluate:

- Mechanisms and effects of deposit formation in boilers
- Methods of boiler tube cleaning using a soot blower and different dedusting media
- Corrosion, erosion and ageing of boiler tube materials with and without coating in the combustion chamber



Experiments using boiler tube test stand to answer current questions:

- Testing of a method for the in-situ evaluation of deposit formation on boiler tubes
- Testing of coating systems with regard to erosion and corrosion on straight and curved tubes as well as weld seams



Position of boiler tube test stand

Boiler tube test stand data:

- Location: NIA K +88 m
- Flue gas temperatures:
 - Full load: 1050°C
 - Partial load: 850°C
- Number of probes: 2
- Temperature maintenance:
 - static
 - cyclic
- Dedusting media:
 - Water
 - Steam