



established 2001 from Aachen University
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located in Aachen / Germany
international partner network



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CONTACT US

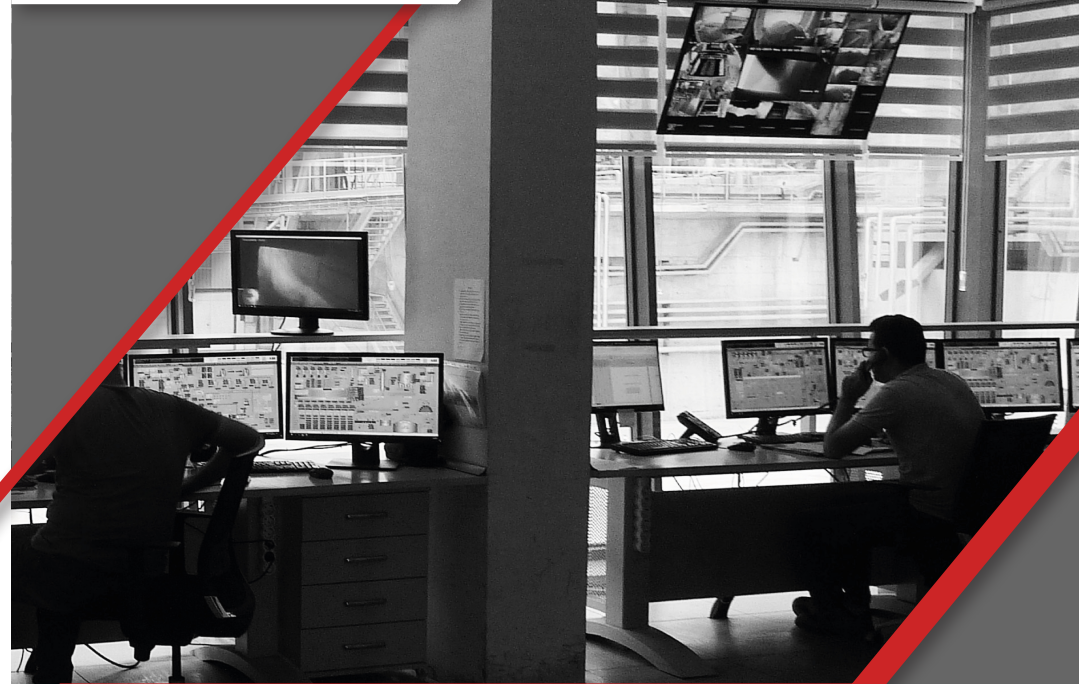
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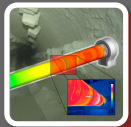


CEMENT ENGINEERING SOLUTIONS

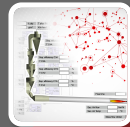
Tailored Services for Processdesign, -optimisation,
-digitisation and -decarbonisation

OUR SERVICES

We combine deep cement process expertise, with a broad digital engineering toolkit, to tackle the industries urgent challenges like decarbonisation, alternative fuels, energy efficiency, hydrogen, calcined clay, and concrete recycling.



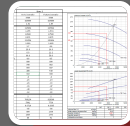
CFD
Digital Twin



KILN AlxperT
RealTime Optimiser



Optimisation
Consulting



Integrated Heat & Mass
Balances



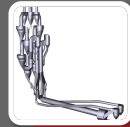
Control Strategy
Optimisation



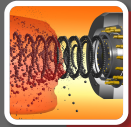
Supplier-Agnostic
Equipment Selection



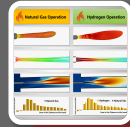
Plant & Data
Audits



Conceptual
Design



Combustion &
Emission
Engineering



Process of Tomorrow
**Hydrogen,
Syngas & Oxyfuel**

OUR VALUE PROPOSITION

Start optimising your cement production with expert knowledge and experience from numerous optimisation projects and advanced AI solutions. From de-bottlenecking to innovative concepts, we drive your processes to peak efficiency.

Process Consultancy

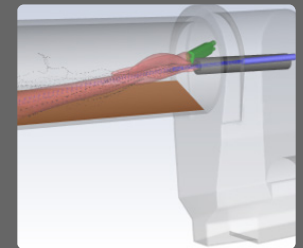
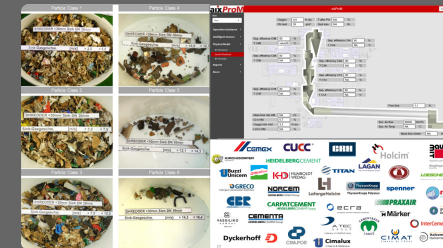
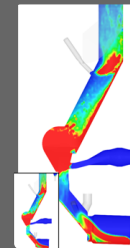
- Plant & Data Audits
- Production up-rating
- Alternative fuel
- Maximization
- Sustainability concepts
- CO2 & emission reduction
- Hydrogen Integration & OxyFuel

Engineering

- Cement process details
- Flow dynamics
- Combustion of lumpy alternative fuels, Syngas & hydrogen
- Pneumatic transport of materials
- Chemical impact

Tools & Facts

- Computational Engineering CFD & Flow Sheet Digital Twins
- Lab furnace combustion tests
- Alternative fuels characterisation



+90%
AF UTILISATION
BOOST

-40%
FUEL COSTS

+10%
PRODUCTION
GAIN

+15%
EFFICIENCY
RISE

+500
CUSTOMERS

+1000
COMPUTATIONAL
ENGINEERINGS

+20
YEARS
EXPERIENCE