array INDUSTRIES

YOUR EMISSION IN CONTROL

Pollution control

Think of emissions levels for fine dust or NOx but also for greenhouse emissions like CO2. Array offers solutions to control various emissions.

Odor control

The sources of our odor solutions are related to industrial processes like (industrial) bakeries, nut roasting or asphalt production facilities

Heat recovery

Energy efficiency is a simple method to reduce the use of natural resources and the related emissions. Energy efficiency also reduces cost!

Noise control

Allowable noise emission levels are clearly regulated by the government. Industrial installations have to meet these noise levels.

ARRAYINDUSTRIES.COM

BALANCE OF PLANT SOLUTIONS

CHP Design, Engineering, Manufacturing, Integration

- 1,500+ Greenfield
- 100+ Brownfield/retrofit
- Multiple generataor exhaust flows into single pipe
- ORC integration

Keys to success in **CHP BoP Solutions**

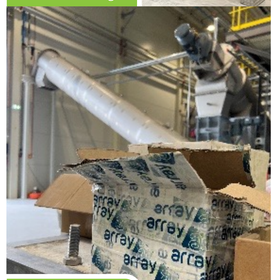
- Be flexible
- Think creatively
- Thorough investigation of site
- Know & understand equipment required
- Minimize impact to building space
- Team partner relationship approach

Confined Space CHP challenges

- Available space
- Power density
- Back pressure
- Noise limits
- Thermal energy
- Pollution targets
- Ducting/stack integration
- Radiant energy

Download the full presentation

Proces ducting



On demand spares

Onsite integration

Logistics

Site assistance

Case study #1: **Utrecht University**

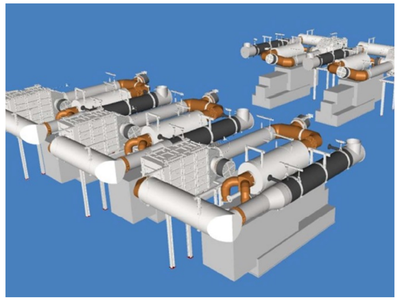
Location: Utrecht, NL

Client:
Utrecht University (UU)

Solution:
Design, fabrication & integration of new CHP Balance of Plant:
- SCR's
- Tailored urea delivery system
- Rupture Disks
- EGHE's
- Resonance & absorption silencers
- Existing stack integration

Challenge:
New pollution limits
New noise limit
Small concrete rooms

Benefits:
- Single point of contact
- Lower system back pressure

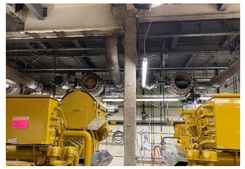
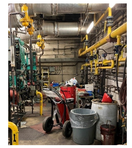
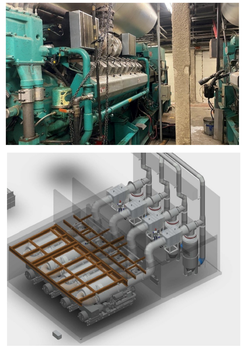
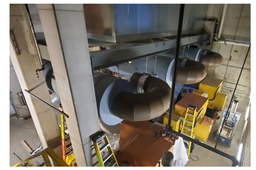
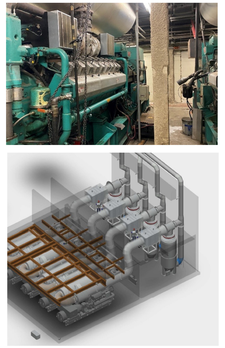
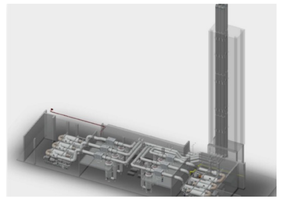
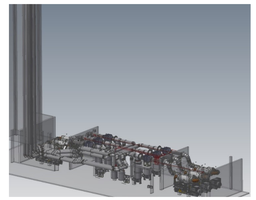


Case study #2: **Canadian Healthcare Provider**

Location: Hamilton, ON, CAN

Client:
Canadian Health Care Provider

Challenge:
New CHP units (13) to comply with new pollution limits utilizing existing footprint

Solution:
Design, manufacture, integration of Balance of Plant:
- SCR & OxiCat's
- Urea tanks & remote fill systems
- EGSB integration
- Silencers
- Thermal insulation
- Piping and stack integration

Benefits:
- Increased kWe/efficiency output
- Lower system back pressure
- Radiant heat reduction
- Lower carbon footprint