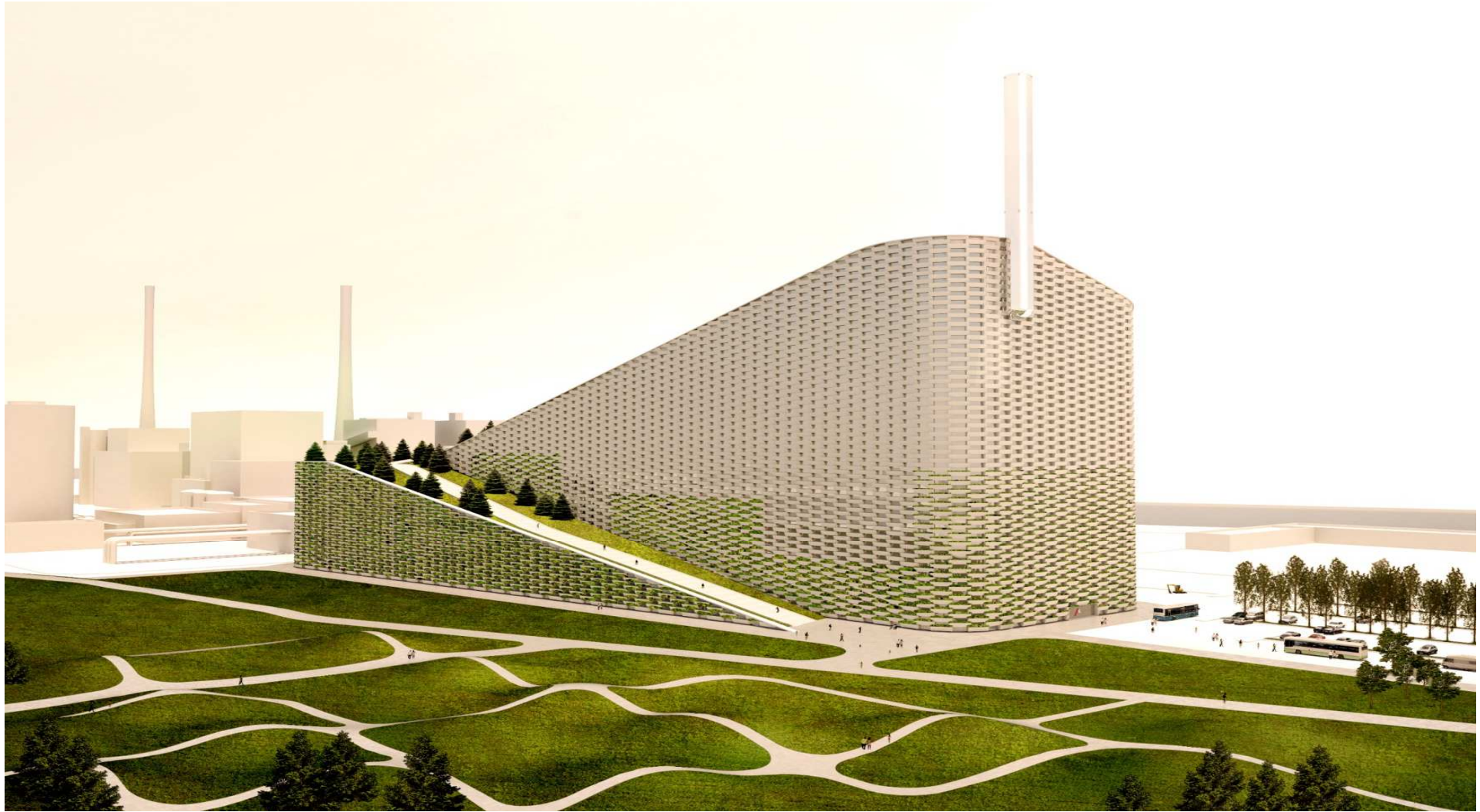


Amager Bakke



Why Amager Bakke?



The current plant is 43 years old, technically outdated and worn out

Environmental approval expires in 2013

Unacceptable working environment

Unacceptable economy



Gottlieb Paludan Arkitekter A/S - DK



Lundgaard & Tranberg Arkitekter A/S - DK



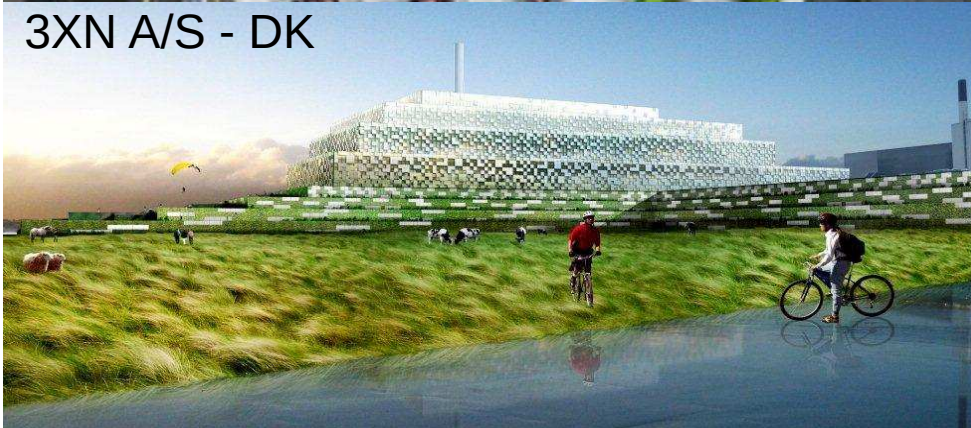
Wilkinson Eyre Architects - UK



Bjarke Ingels Group A/S - DK



3XN A/S - DK



Dominique Perrault Architecture - FR



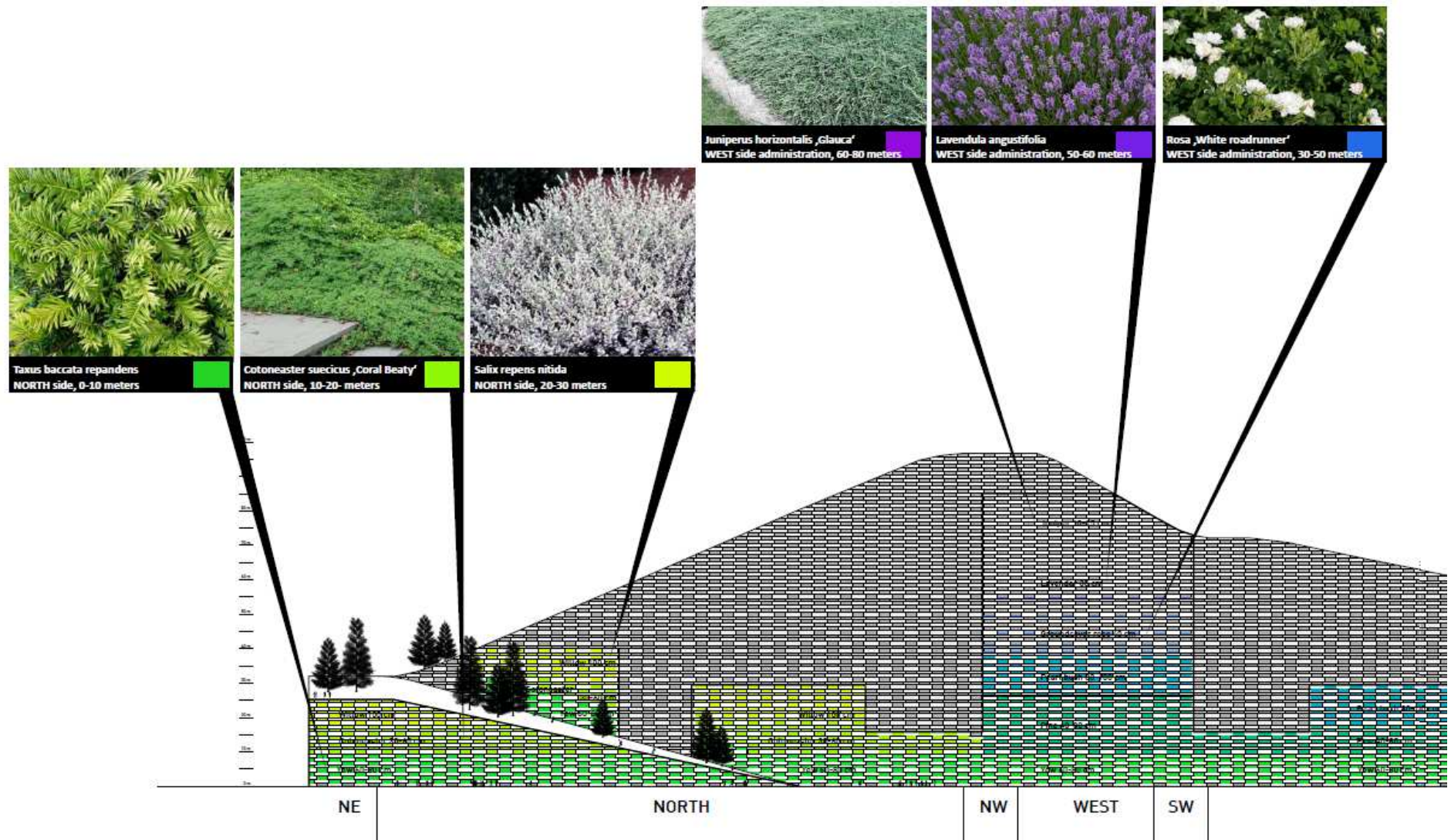
Amager Bakke architecture



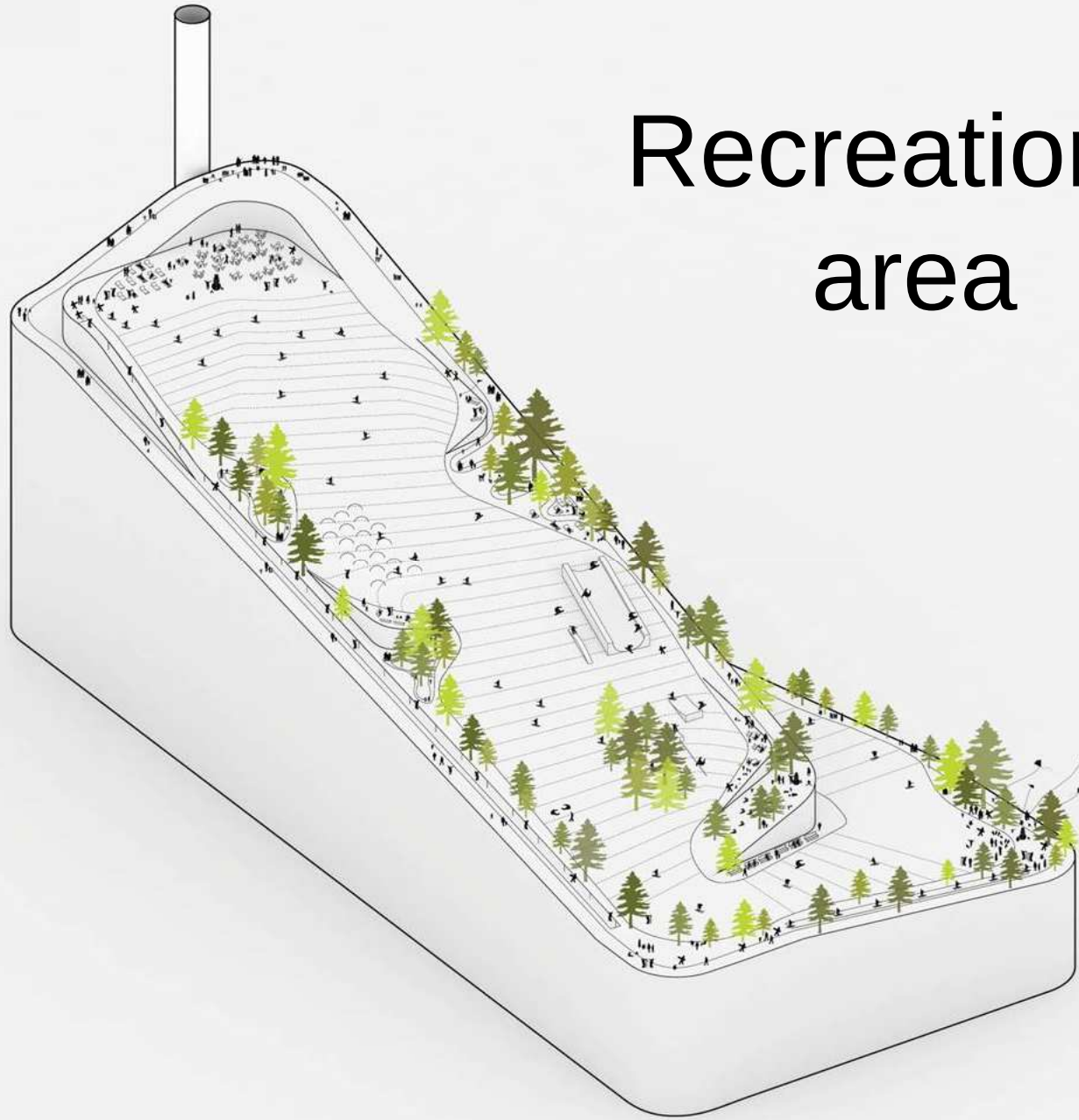
Facade



Amager Bakke vegetation



Recreational area



Recreational area



Oktober 1, 2011

AMF 53

Recreational area



Scenic viewpoint





Meetings with panoramic view



INTERIOR VIEW OF ATRIUM BETWEEN PLANT AND ADMINISTRATIVE BUILDING

Amager Bakke interior







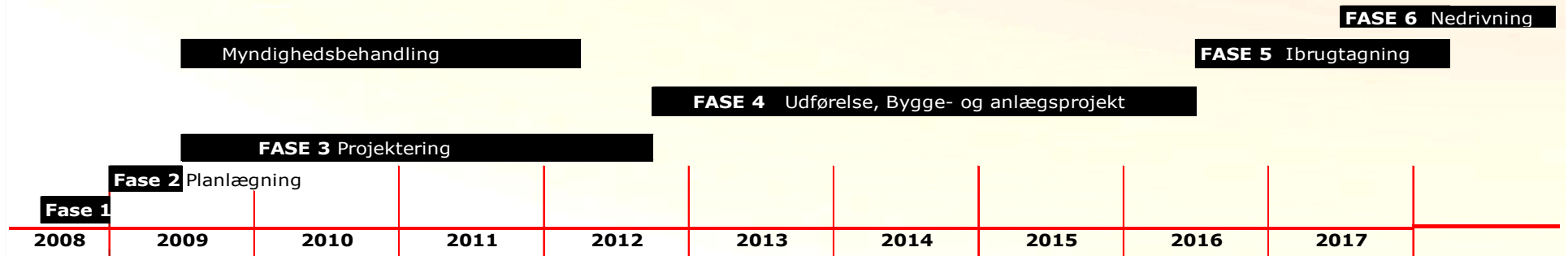
Location



Location



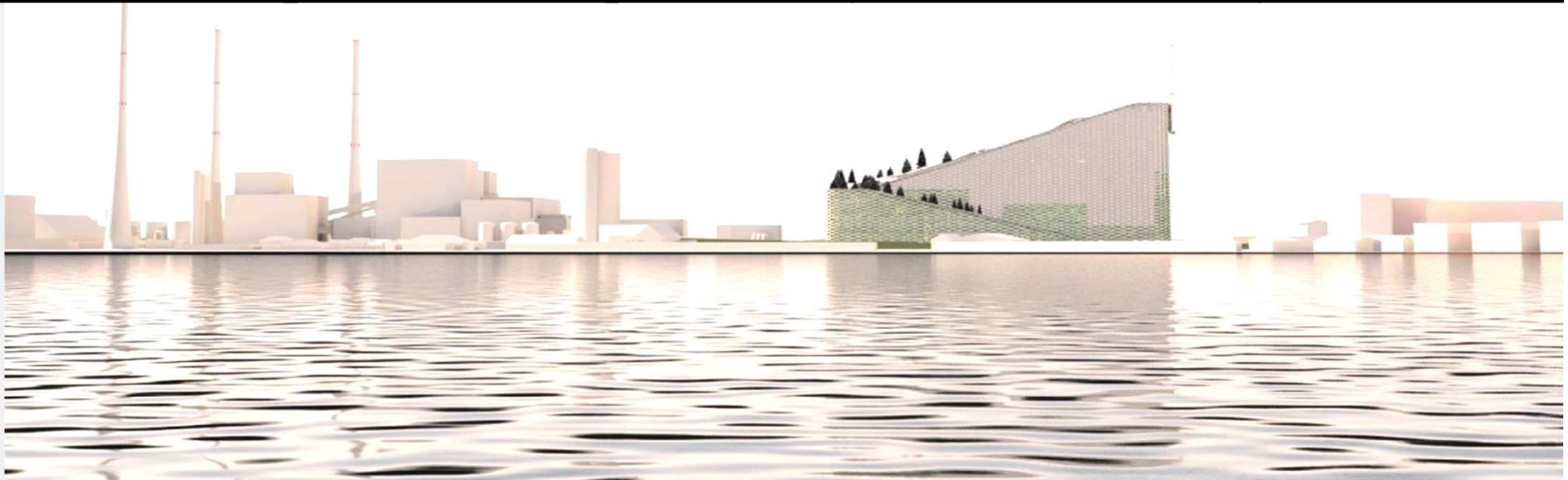
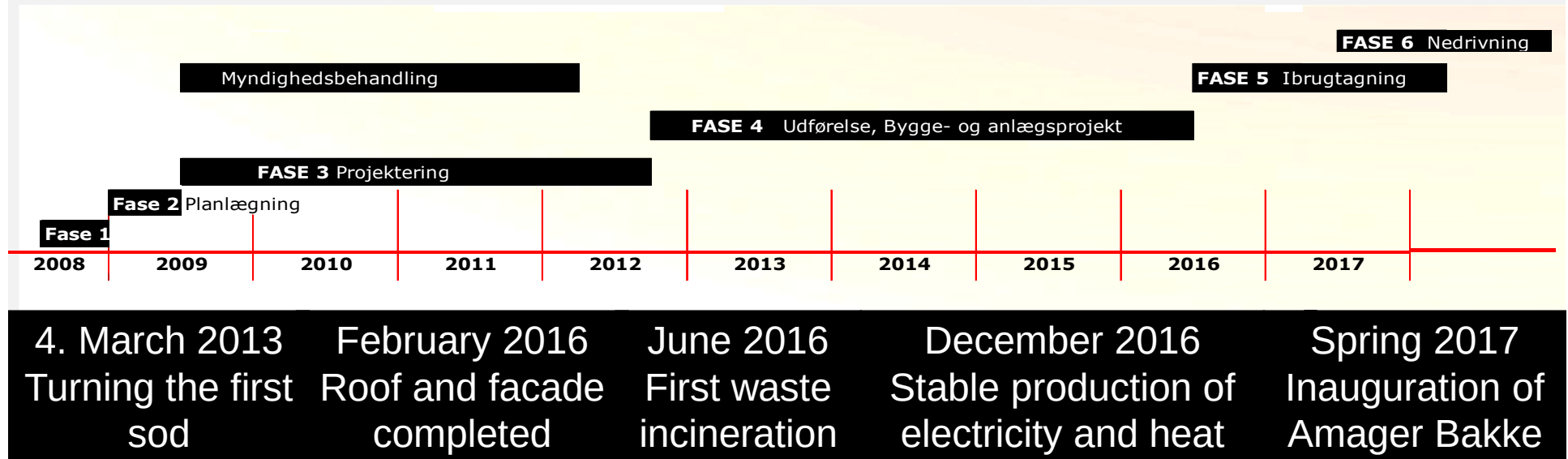
Project plan



4. March 2013
Turning the first
sod



Project plan



Amager Bakke

New incineration plant

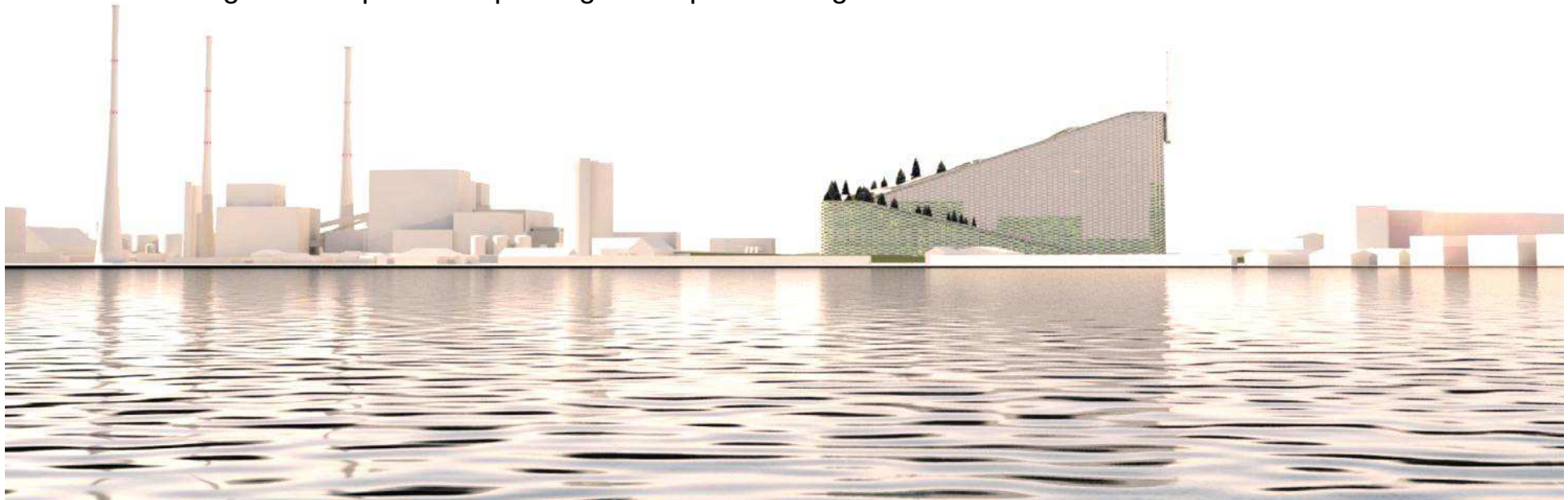
Significantly high environmental and energy profile

Supports the future of renewable energy

Showcase for green technology, including a visitor center

Creates jobs equivalent to 4,600 working years in the construction phase

Waste management is part of Copenhagen's export catalogue



Who builds Amager Bakke?

Amager Resourcecenter is responsible for the construction of Amager Bakke

Main advisers:

Bascon A/S, BIG CPH
Moe og Brødsgaard A/S
Rambøll Energi

Contractors:

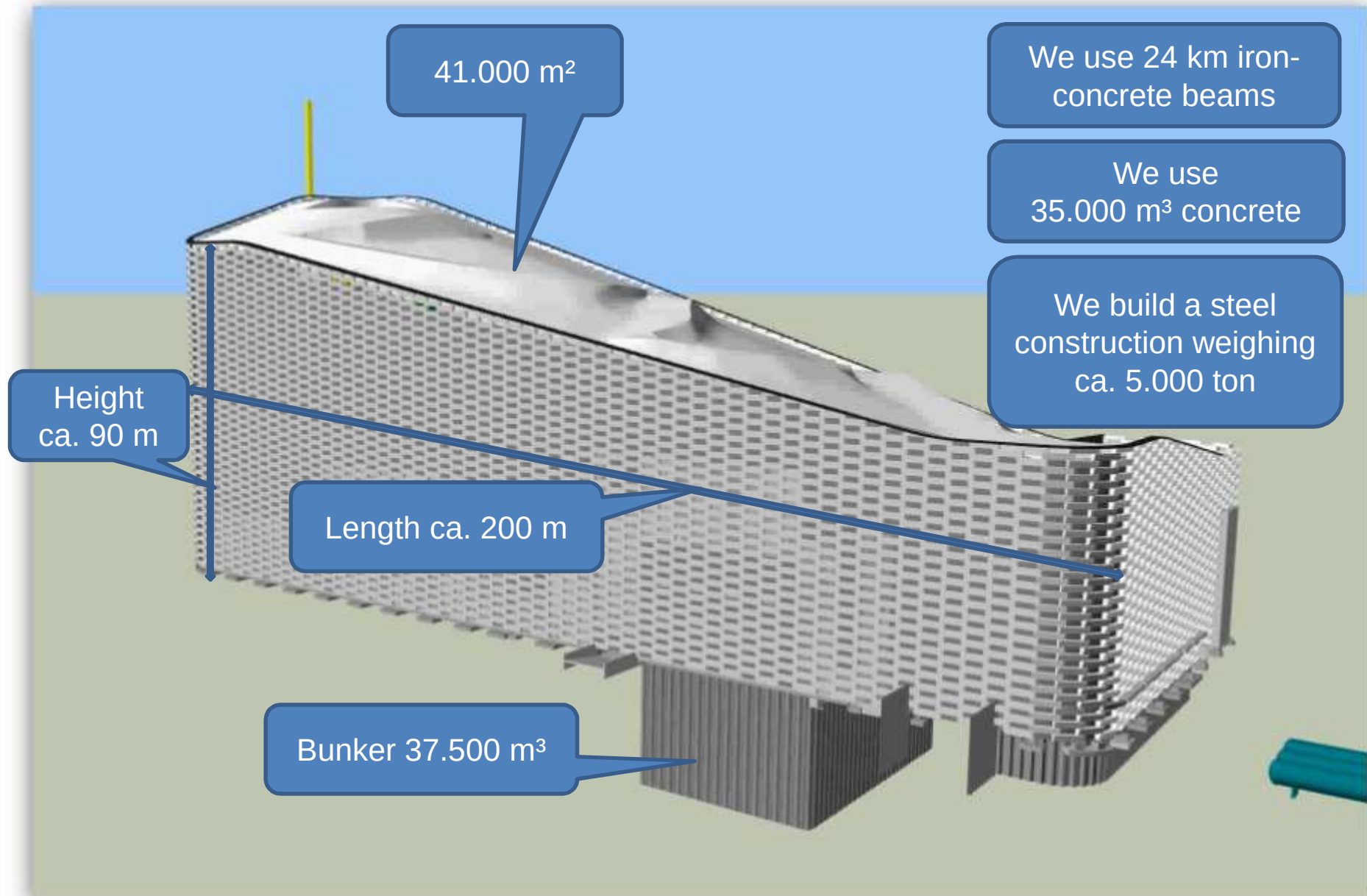
NCC
GEO Copenhagen
Tvillum Landinspektørfirma A/S

Suppliers of equipment:

Furnaces: Babcock & Wilcox Vølund
Turbine: Siemens Denmark A/S
Flue gas cleaning system: LAB France
CMS (control monitoring system): Siemens Denmark A/S



Dimensions



Amager Bakke

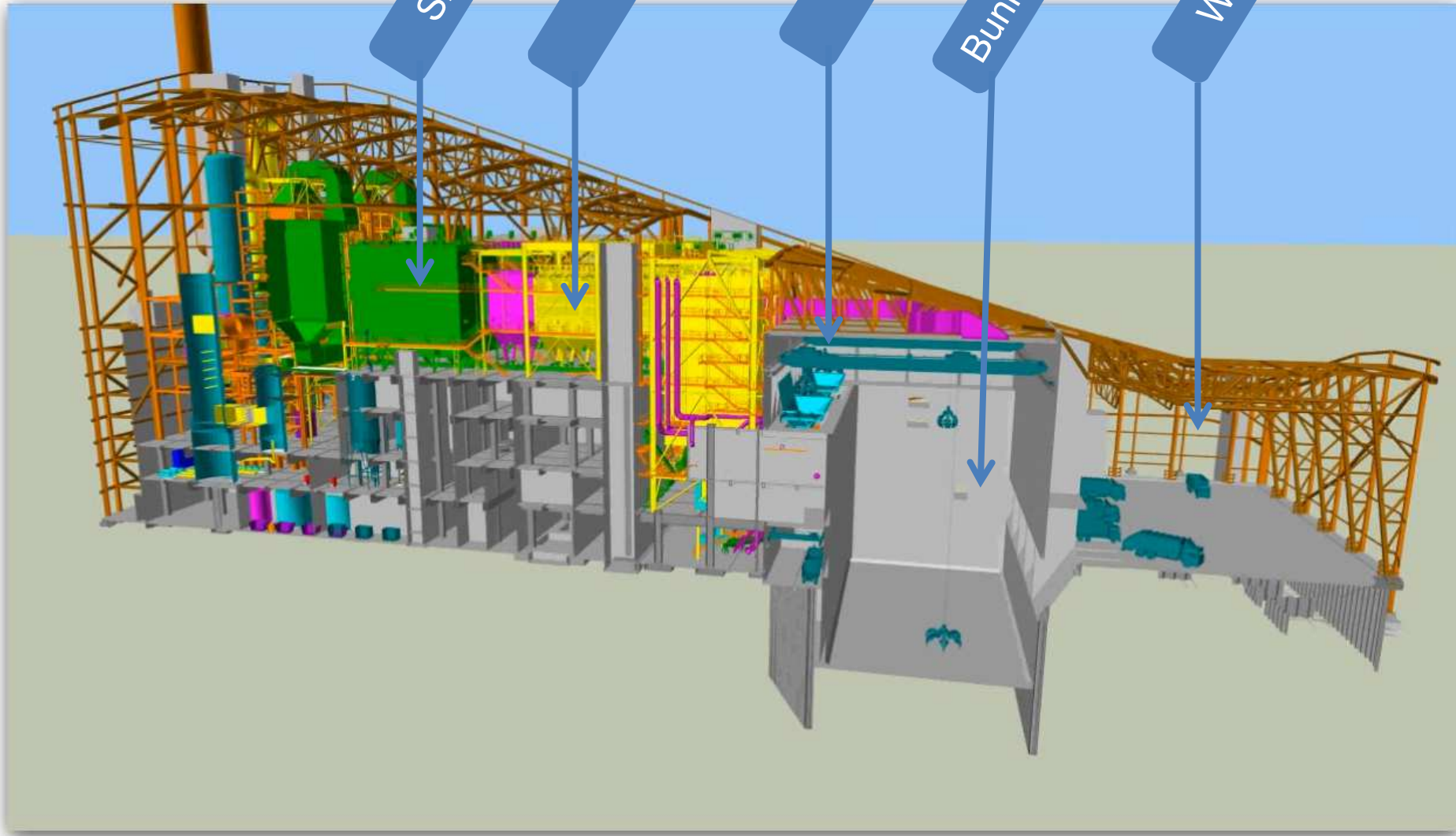
Smokecleaning

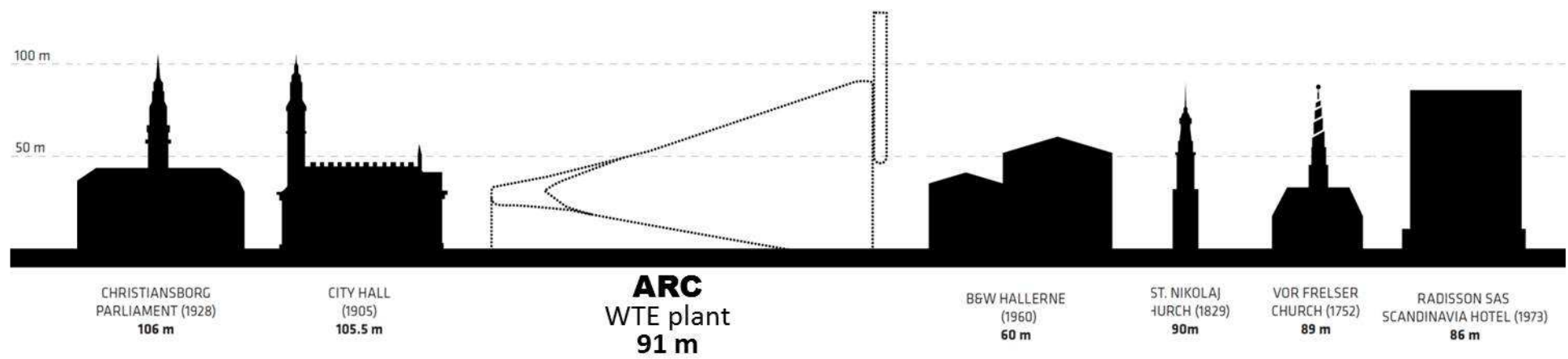
Boilers

Furnaces

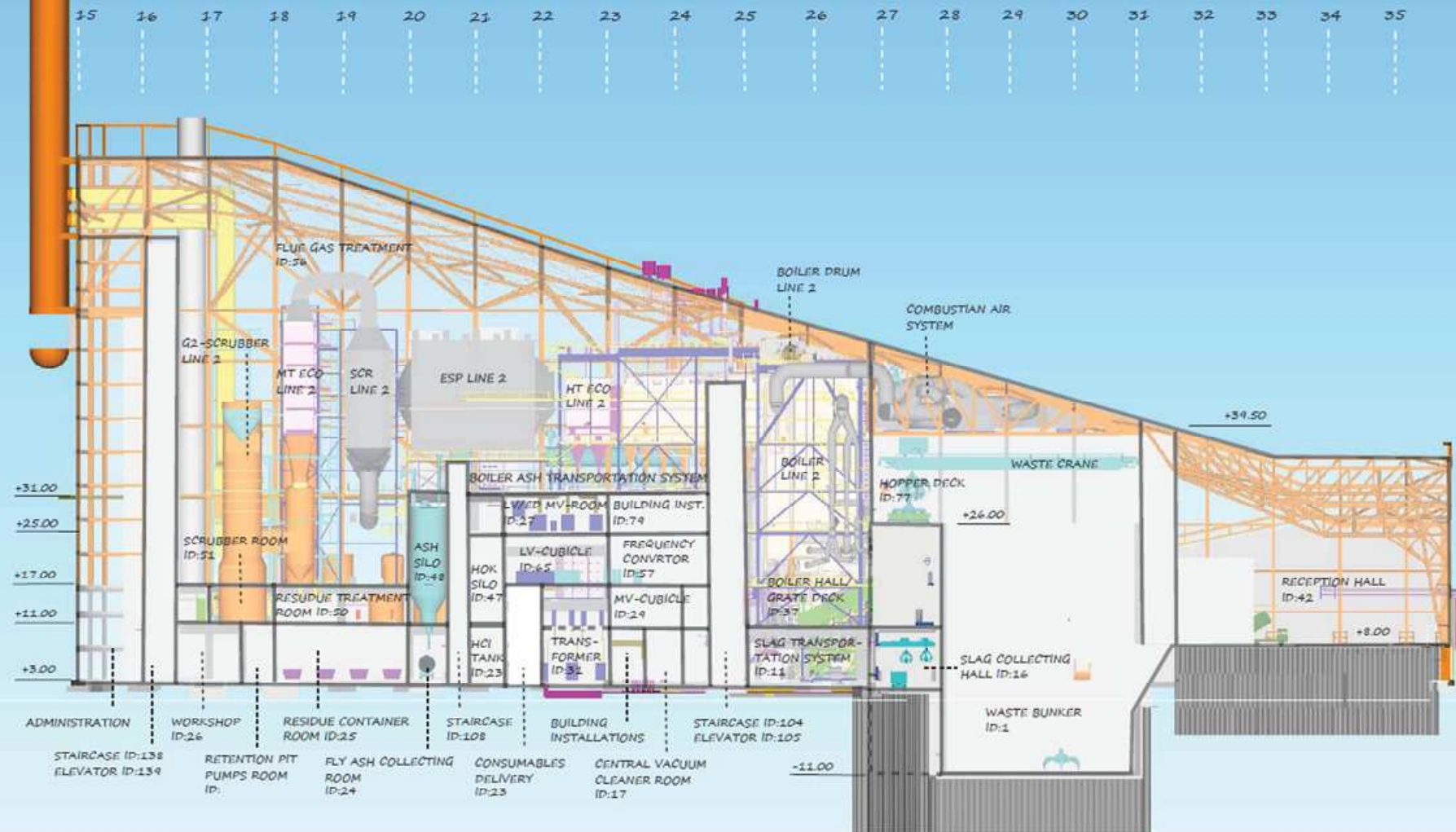
Bunker with 2 cranes

Waste reception



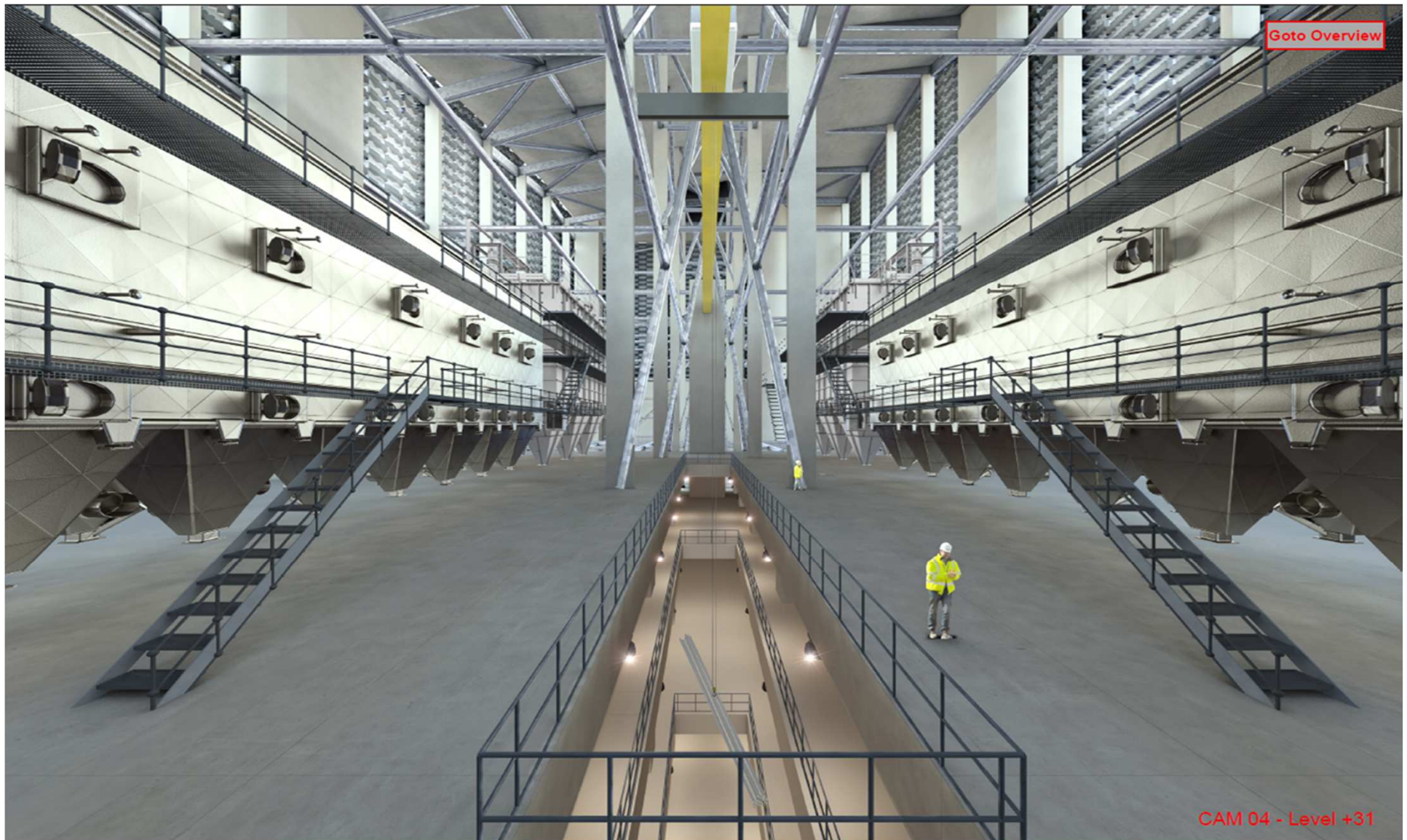


LONGITUDINAL SECTION MODULES I-H (LINE 2)

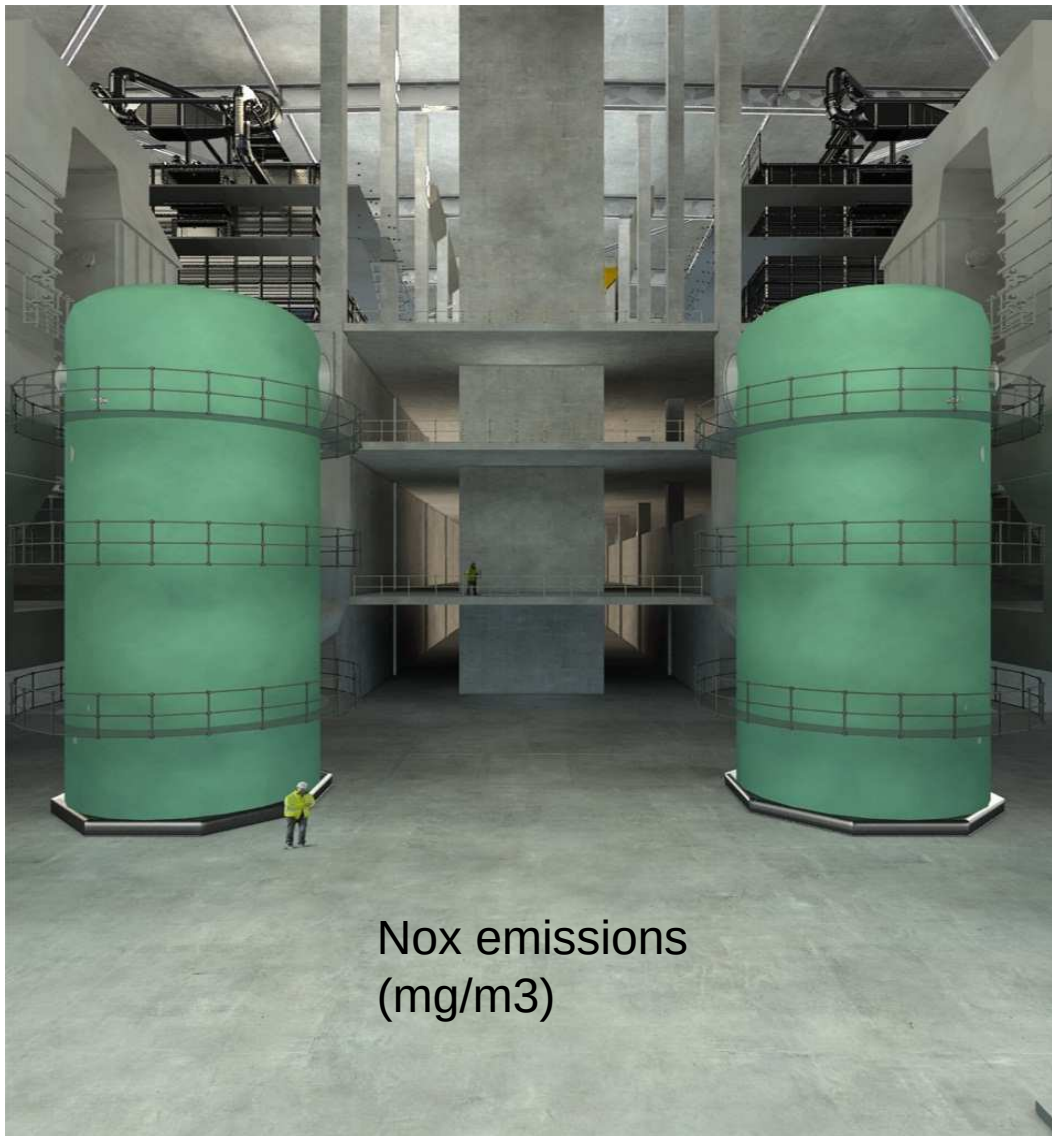




Furnaces



Amager Bakke spares the environment



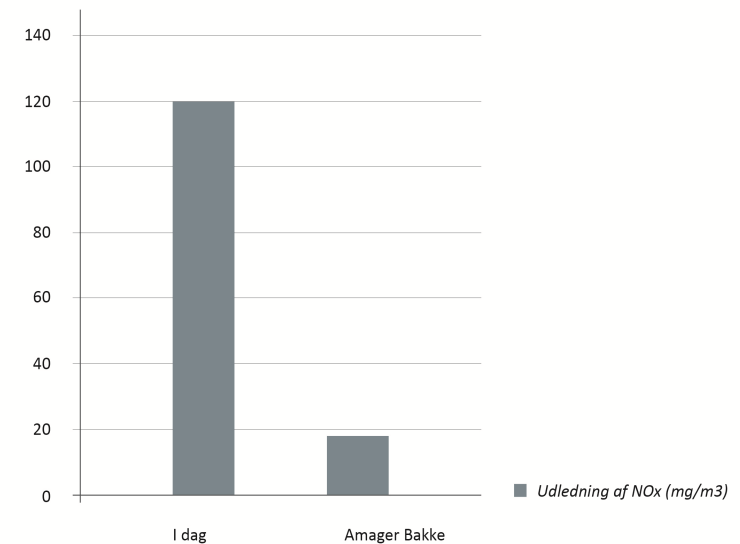
Wet smoke-cleaning system

85 % reduction of NOx gases

99,5 % removal of sulfur

99,9 % removal of hydrochloric acid

Udledning af NOx (mg/m3)



Energy production



One steam turbine

60MW

70 bar 440 °C

Preparation for low-pressure turbine

99,9 %
reduction of
Hydrochloric acid

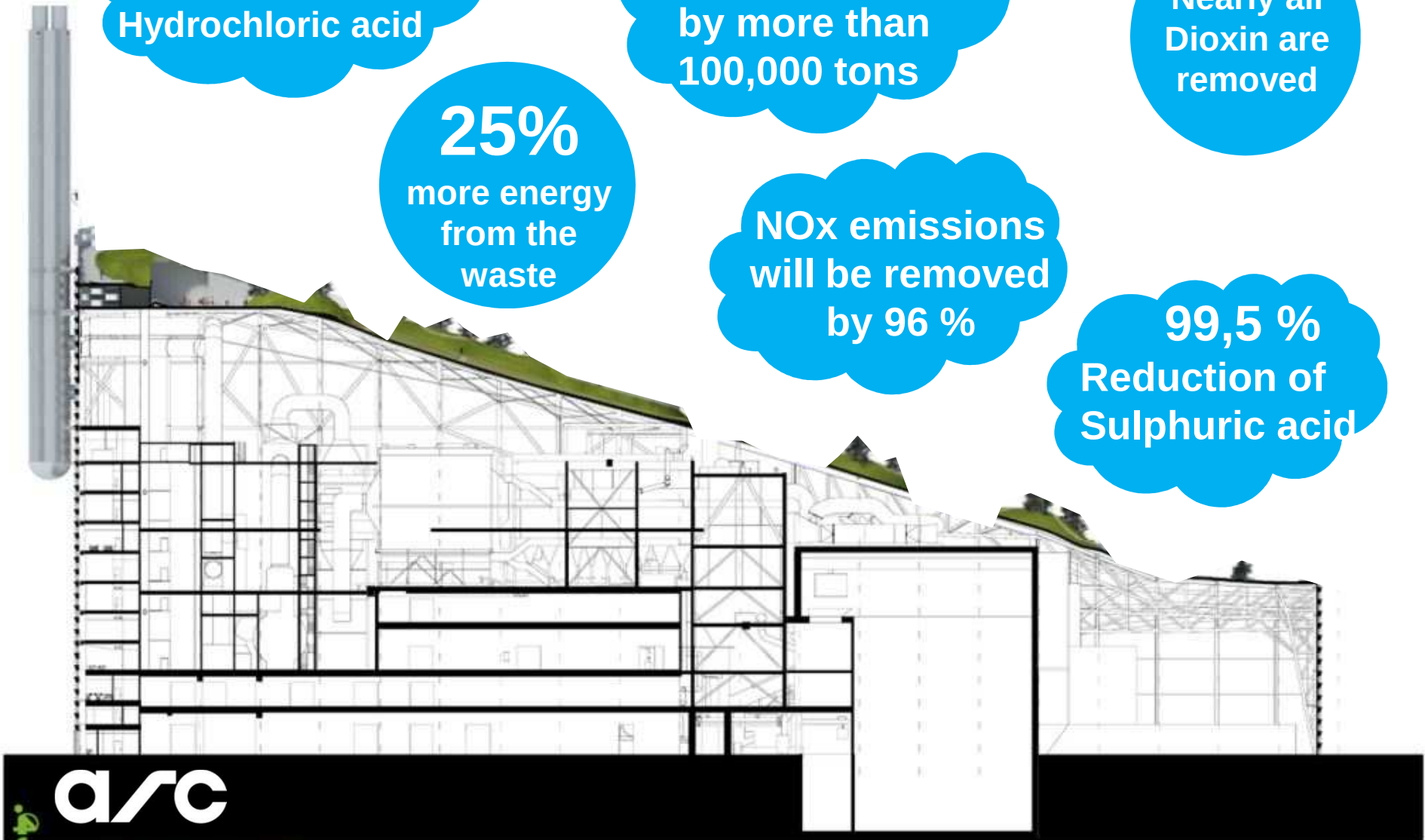
Reduction in
CO₂ emissions
by more than
100,000 tons

Nearly all
Dioxin are
removed

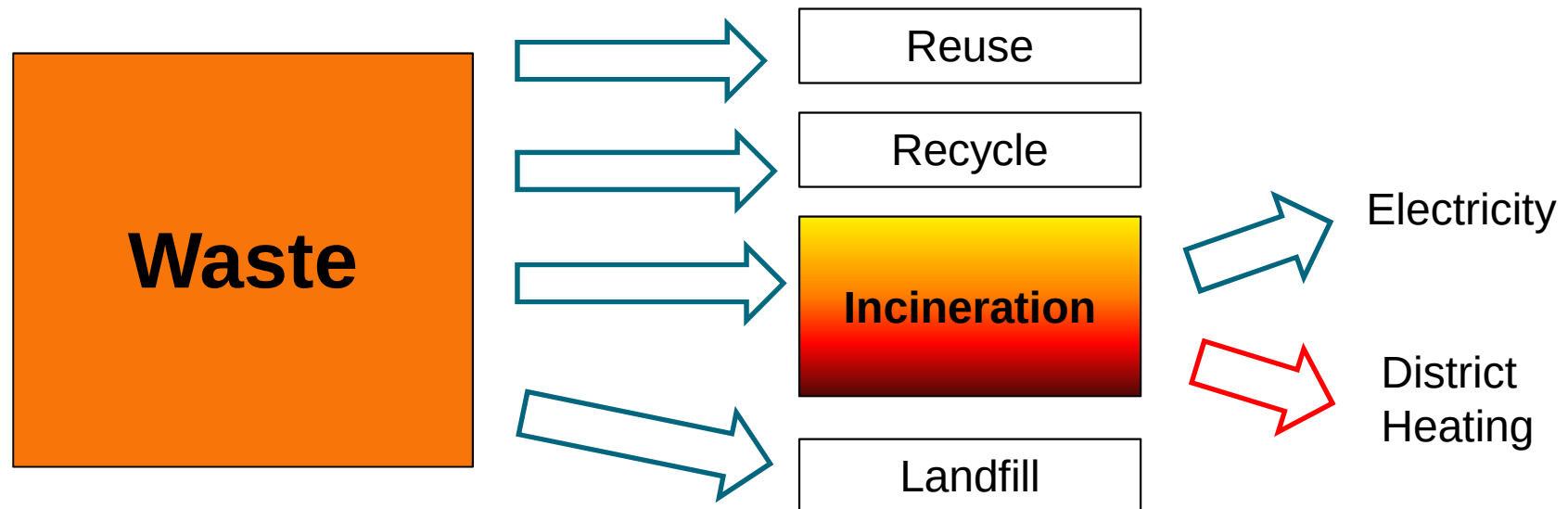
25%
more energy
from the
waste

NO_x emissions
will be removed
by 96 %

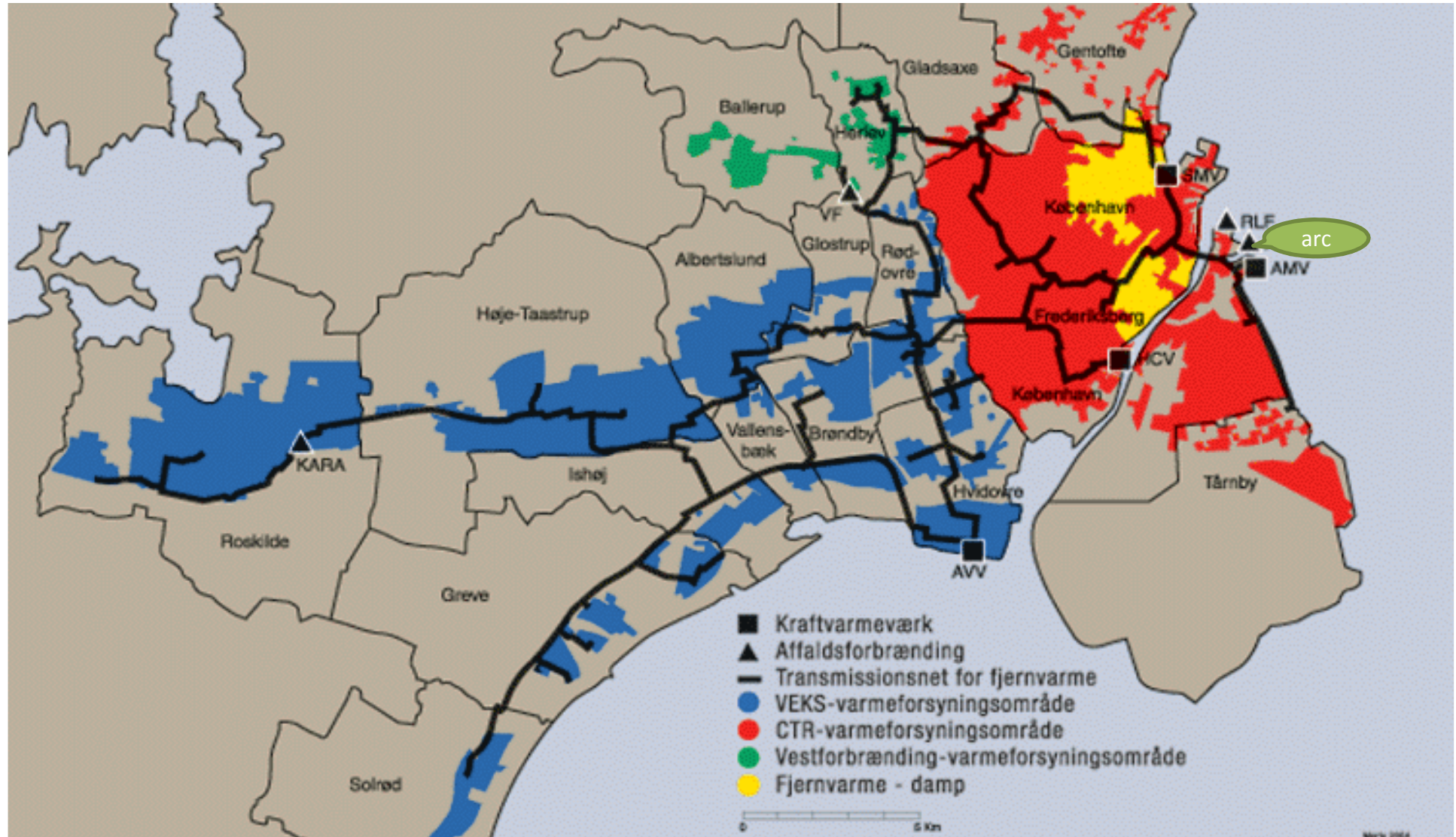
99,5 %
Reduction of
Sulphuric acid



Amager Bakke Energy Efficiency



District heating network in the capital area



Amager Bakke

