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Foundry Technologies

Serial production of
green sand castings



15m³ Charging cars

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Serial production of
green sand castings



Batching of alloys
and carbon carrier

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Dust extraction

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Serial production of
green sand castings



Cupola melting and
Iron treatment

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Iron logistic to
pooring station

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Serial production of
green sand castings



Core handling
and inspection

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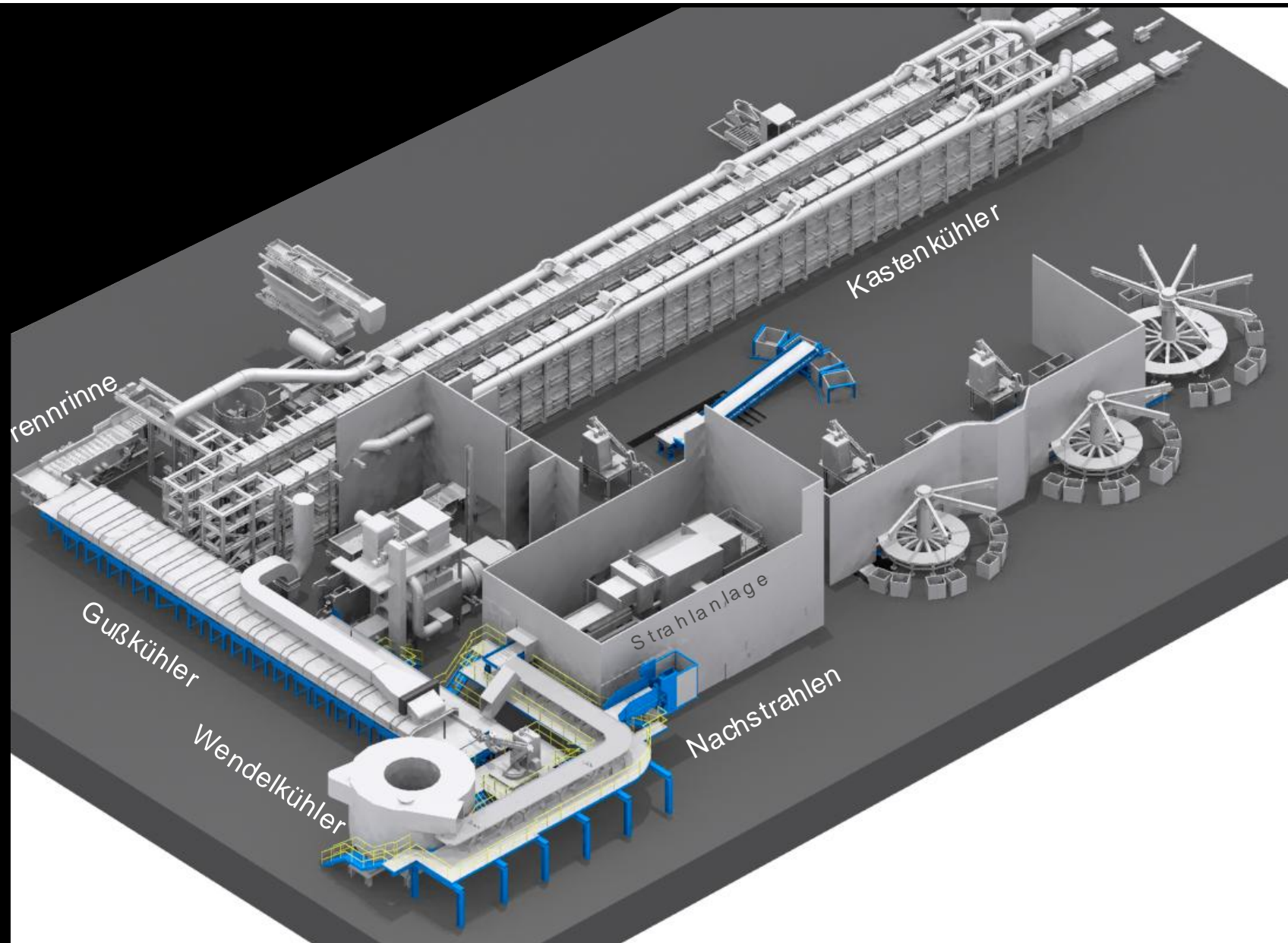


Serial production of green sand castings



Continuous shake-out/
cooling / shot blasting
and finishing

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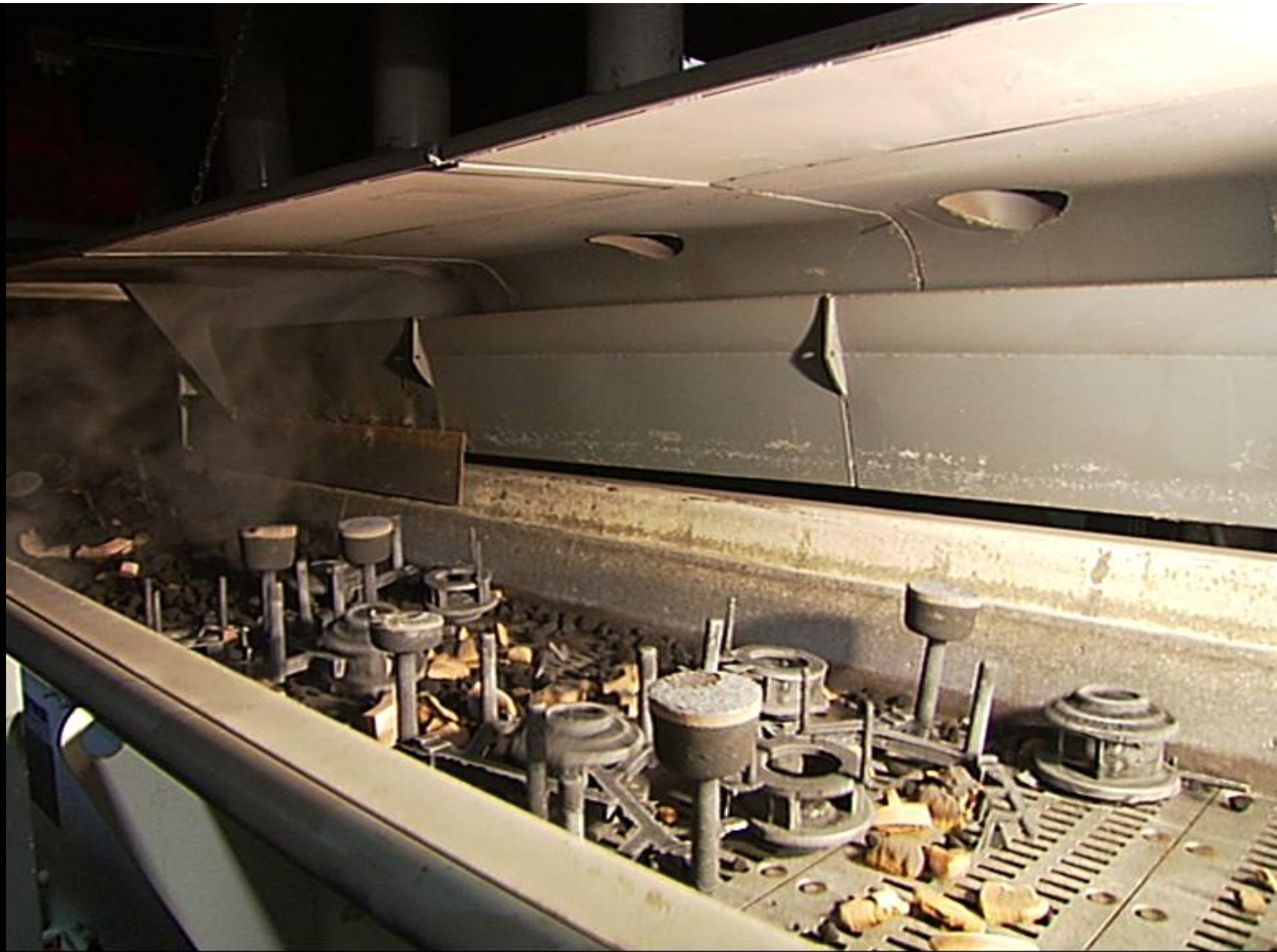


Serial production of
green sand castings



Castings handling with
acceptable noise and
dust emissions

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Serial production of
green sand castings



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Serial production of green sand castings



Castings handling with
shake/ out, cooling
shot blasting and
sorting

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Serial production of green sand castings



Green sand
preparation with
fluid bed cooler and
speedmuller-mixer

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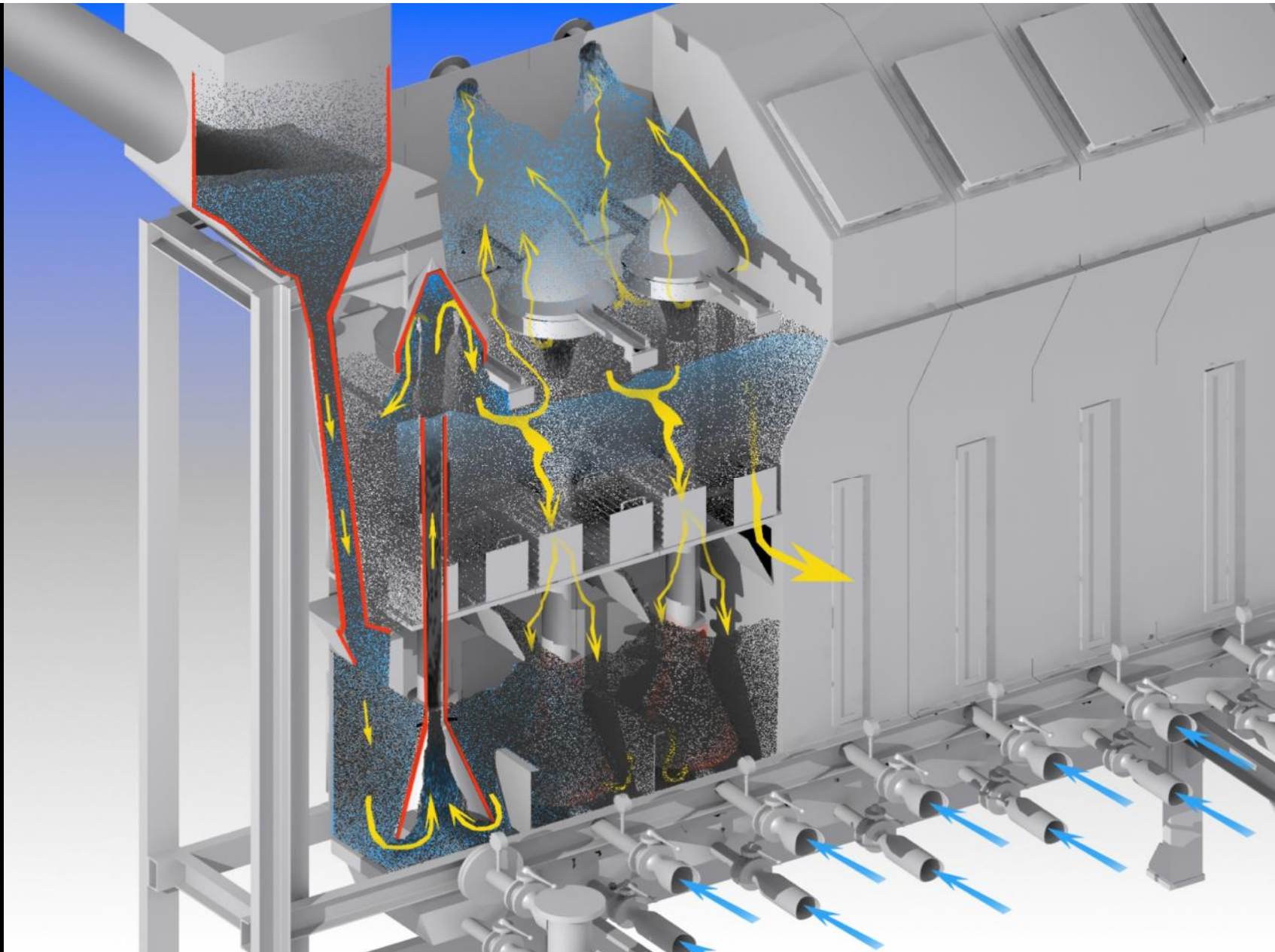


Serial production of green sand castings



GrainWasher
Reclamation of mix-
sand after selective
shake-out

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Serial production of
green sand castings



Extraction of
diffuse emissions

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Serial production of
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Principle of efficient
dust extraction

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Serial production of
green sand castings



Secondary de-dusting

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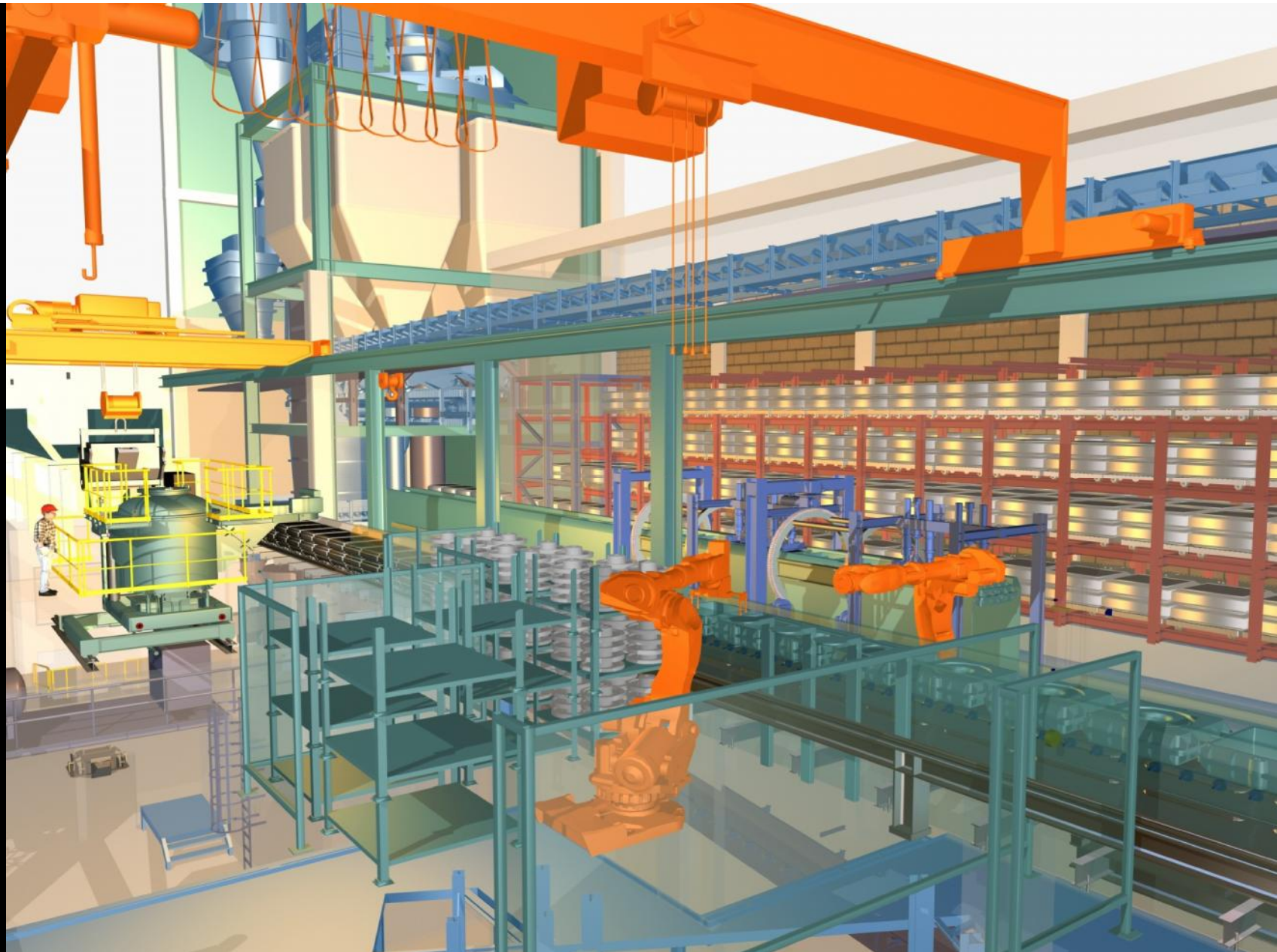


Serial production of
green sand castings



Foundry planning

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Serial production of
green sand castings



LuK Foundry for
brake discs

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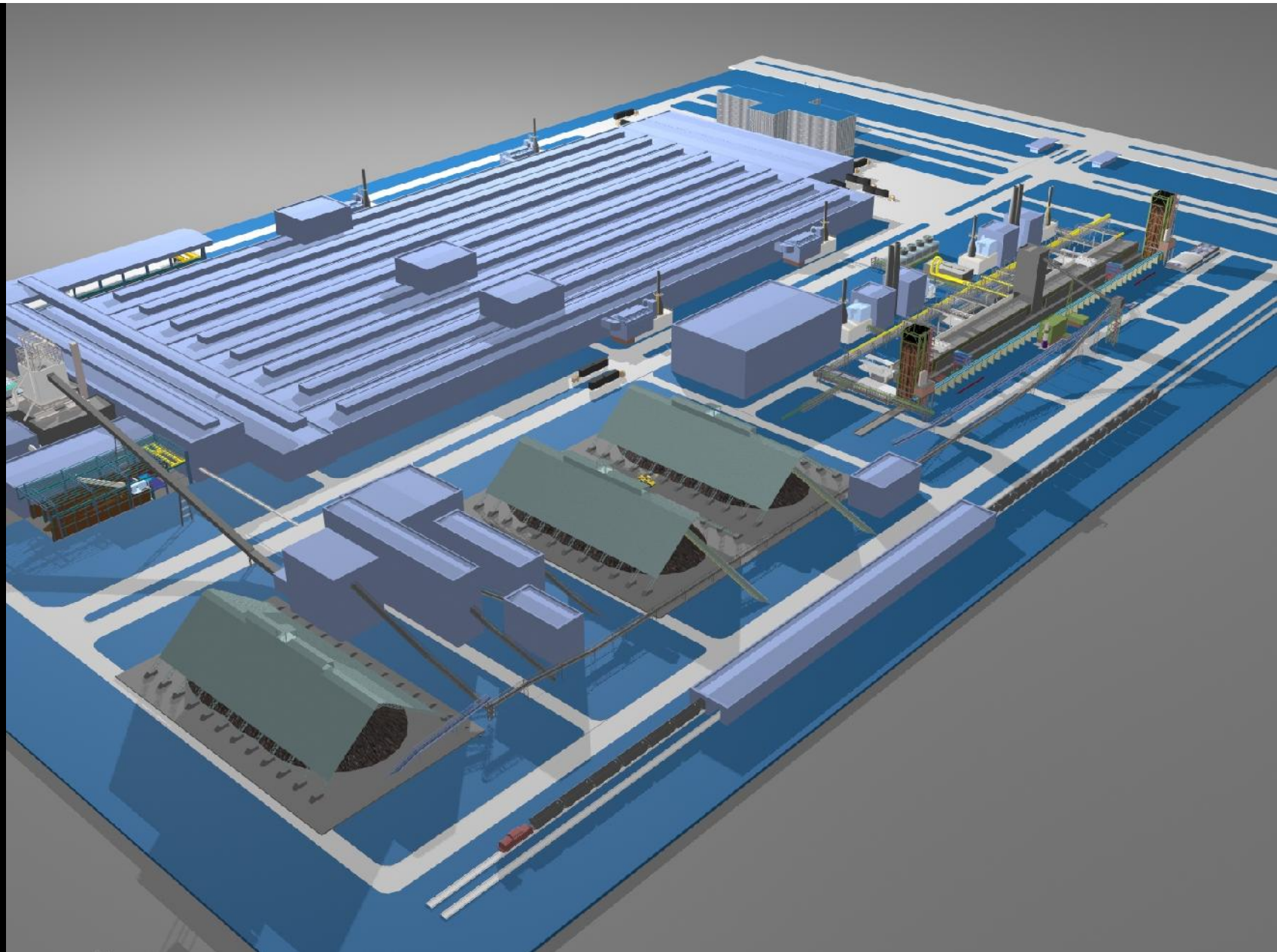


Serial production of
green sand castings



Integrated steel
foundry concept

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Repetition
castings made in
green sand

Whether castings or sand
we know how to handle & treat it.

Investment castings
made in
No-bake sand



Induction Furnace
Charging plant with
Kangaroo & Jumbo

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Investment castings
made in
No-bake sand



Continuous Mixing

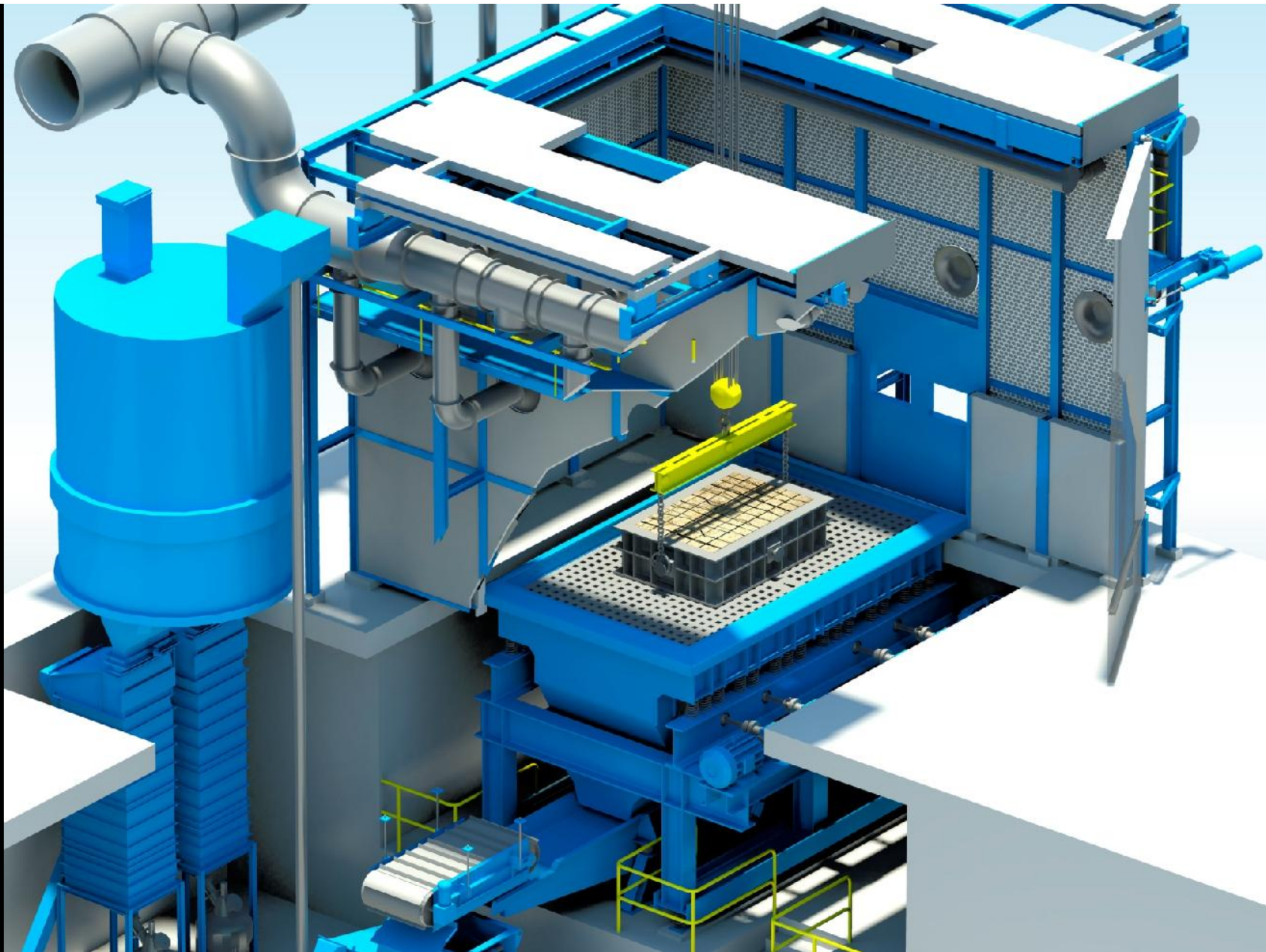
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Shake-out station

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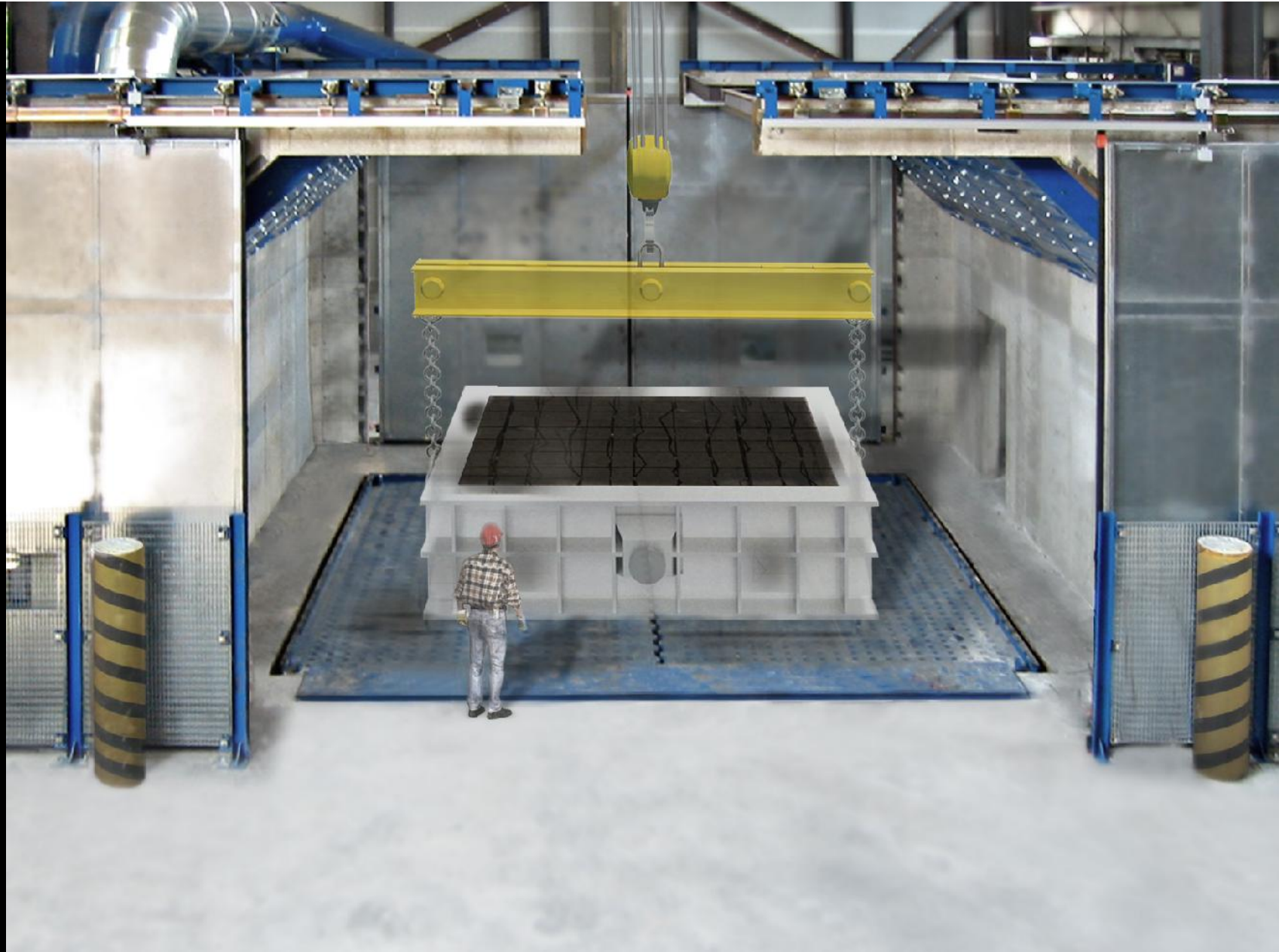


Large castings
made in
No-bake sand



Shake-out cabin

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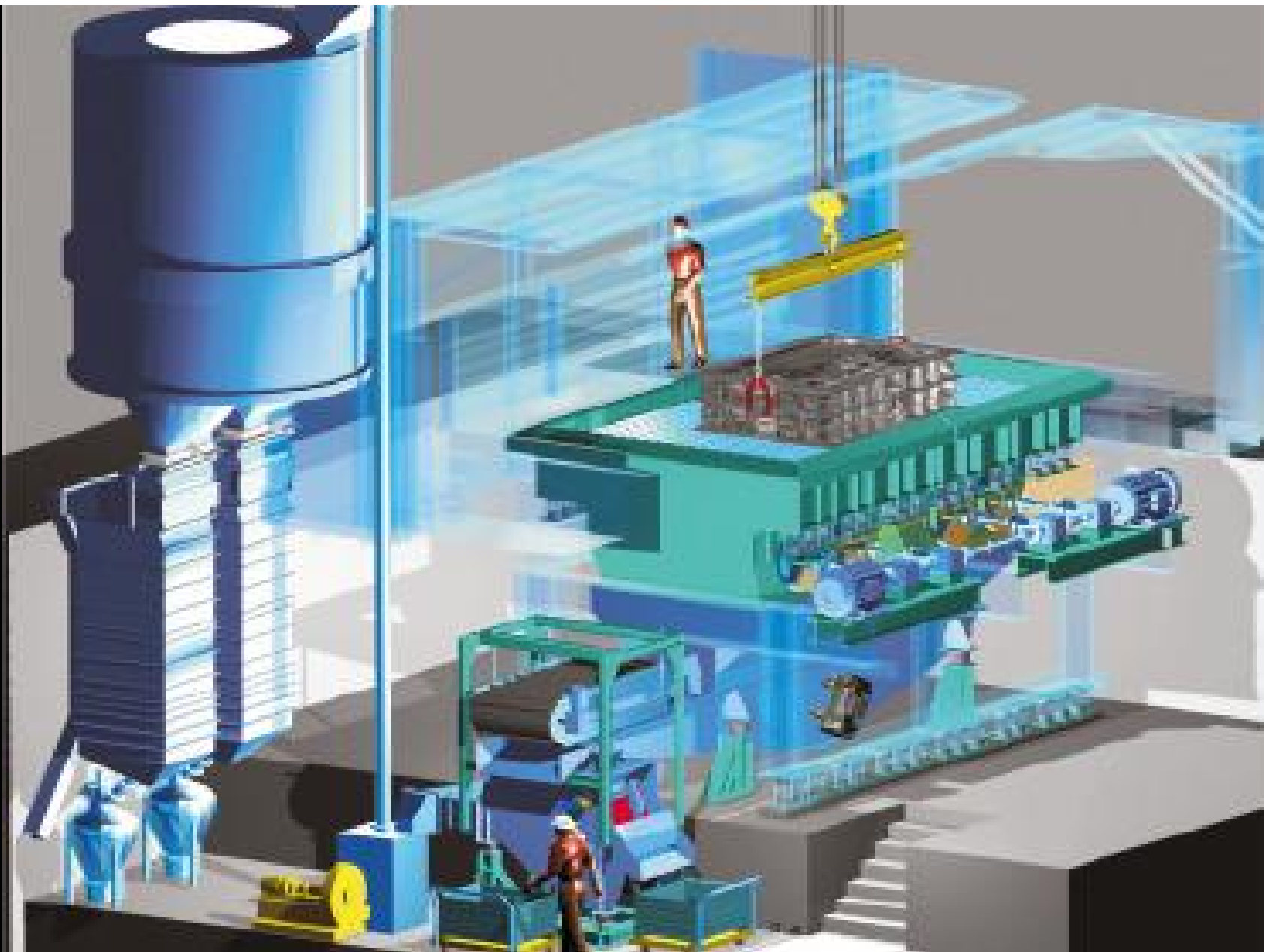


Large castings
made in
No-bake sand



Sinter lab

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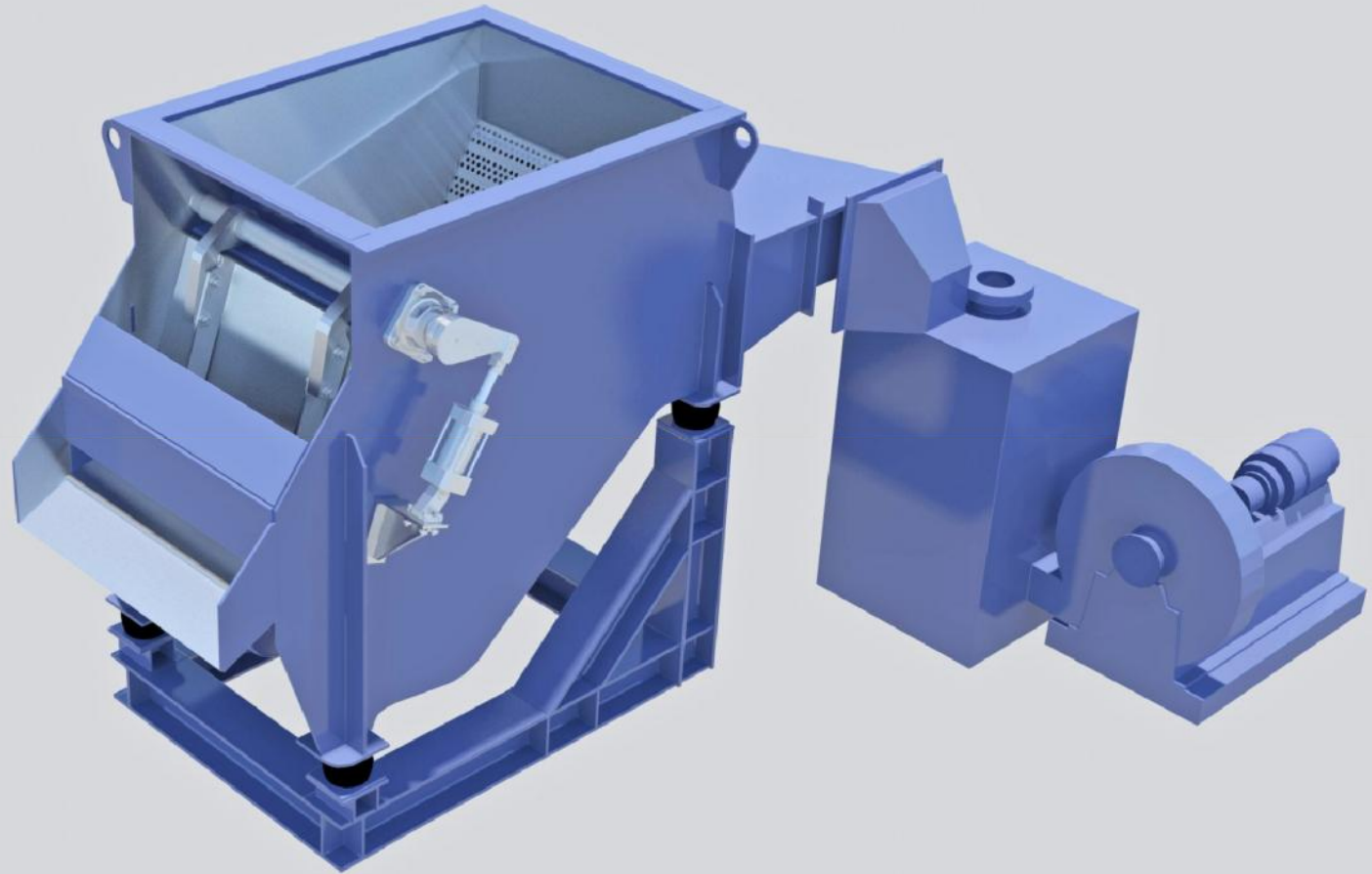


Investment castings
made in
No-bake sand



Vibratory lump breaker

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Large castings
made in
No-bake sand



3rd Generation
Air-Lift

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Large castings
made in
No-bake sand



Reclaimed sand cooler

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Large castings
made in
No-bake sand



Turbine casing

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Large castings
made in
No-bake sand



Mixing | shaking out | reclaiming
Full sand cycle at one stop

Cupola melting



Scrap batching
by charging crane

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Cupola melting



Scrap batching
by vibrating feeder

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Cupola Melting



Coke and additive
batching

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Cupola melting



45 tph green field plant

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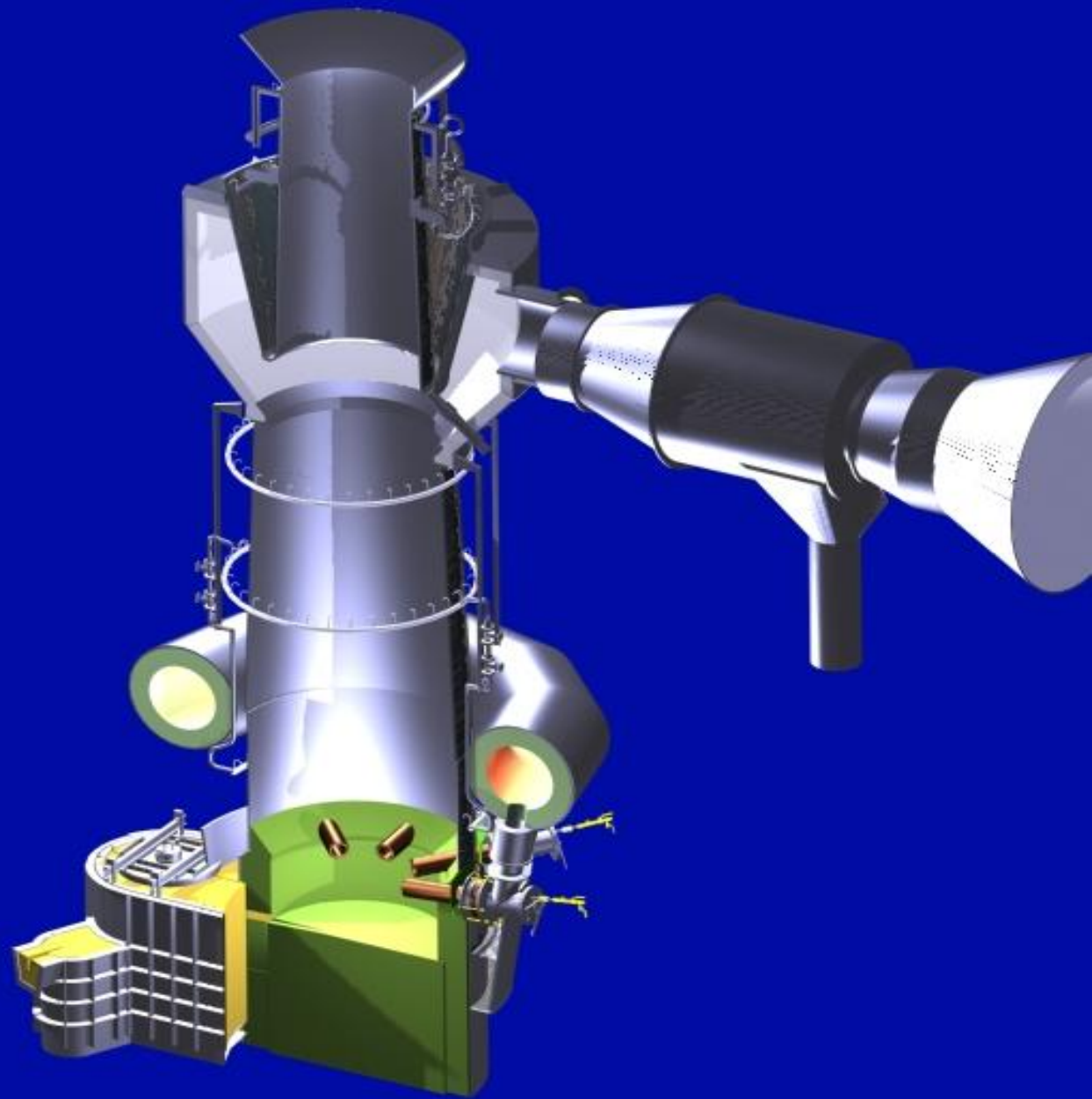


Cupola melting



Section of
conical lining less
dry bottom cupola

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Cupola



Atmospheric syphon

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Cupola melting



Dry slag granulation

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Cupola Melting



Slag pot

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Cupola melting



Cupola with
iron runners to
holding furnace

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Cupola melting



De-Sulphurisation
with skaing ladles

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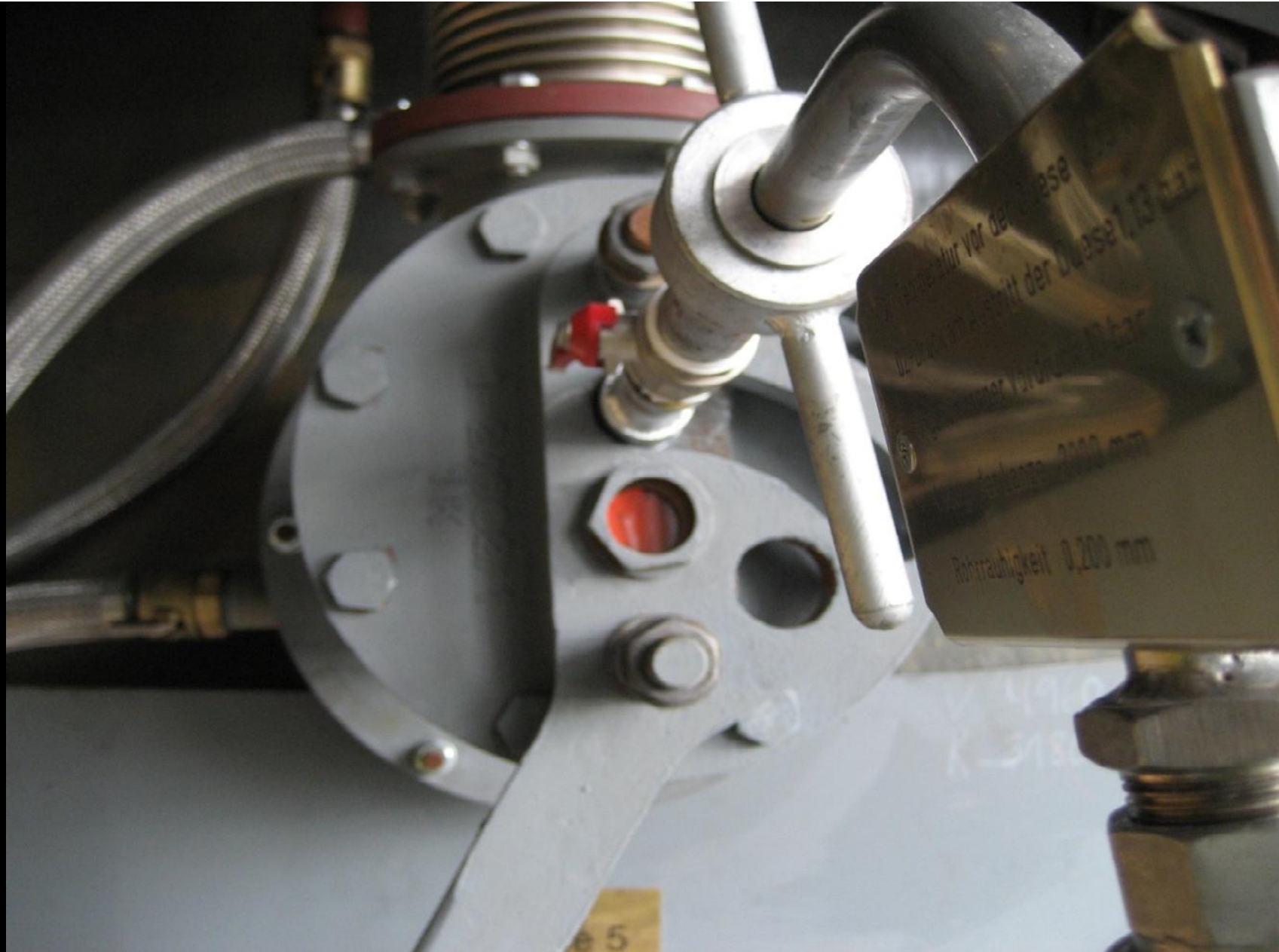


Cupola melting



Supersonic oxygen injection

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Cupola melting



80 stph cupola with
raw gas combustion &
hot blast generation

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Cupola melting



Cold blast cupola with
gas cooler & baghouse

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Cupola melting



Gas cooler for a
40 tph cupola

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Cupola Melting Heat Recovery



Thermal oil systems
Power/ steam generation
Drying & heating processes

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Cooling tower
and filter

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Cupola Melting



Control room

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Cupola melting



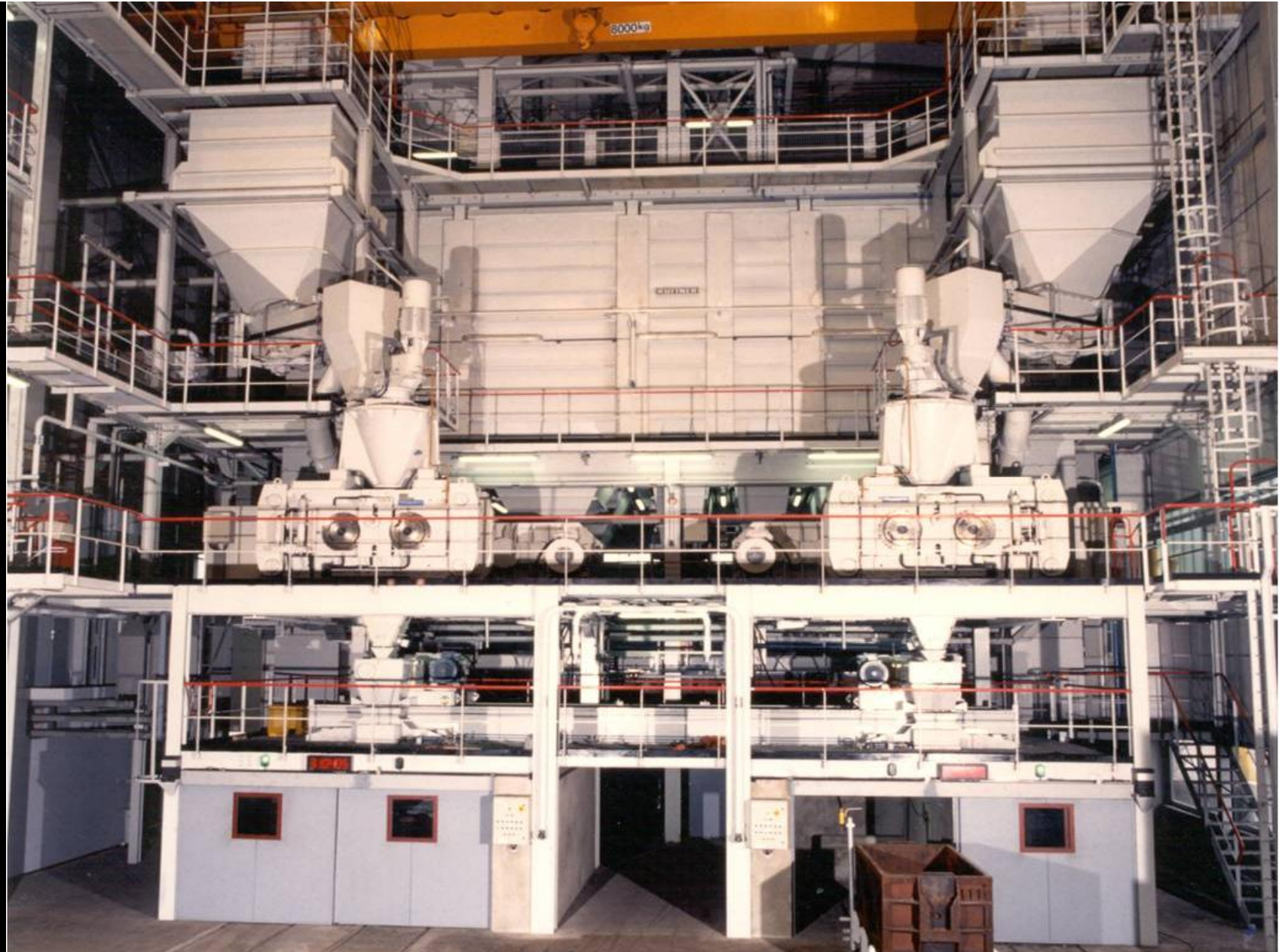
Envirofriendly making of
Foundry Iron from variable & cheap source

NF Metal Recycling



Aluminium
swarf briquetting

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NF Metal Recycling

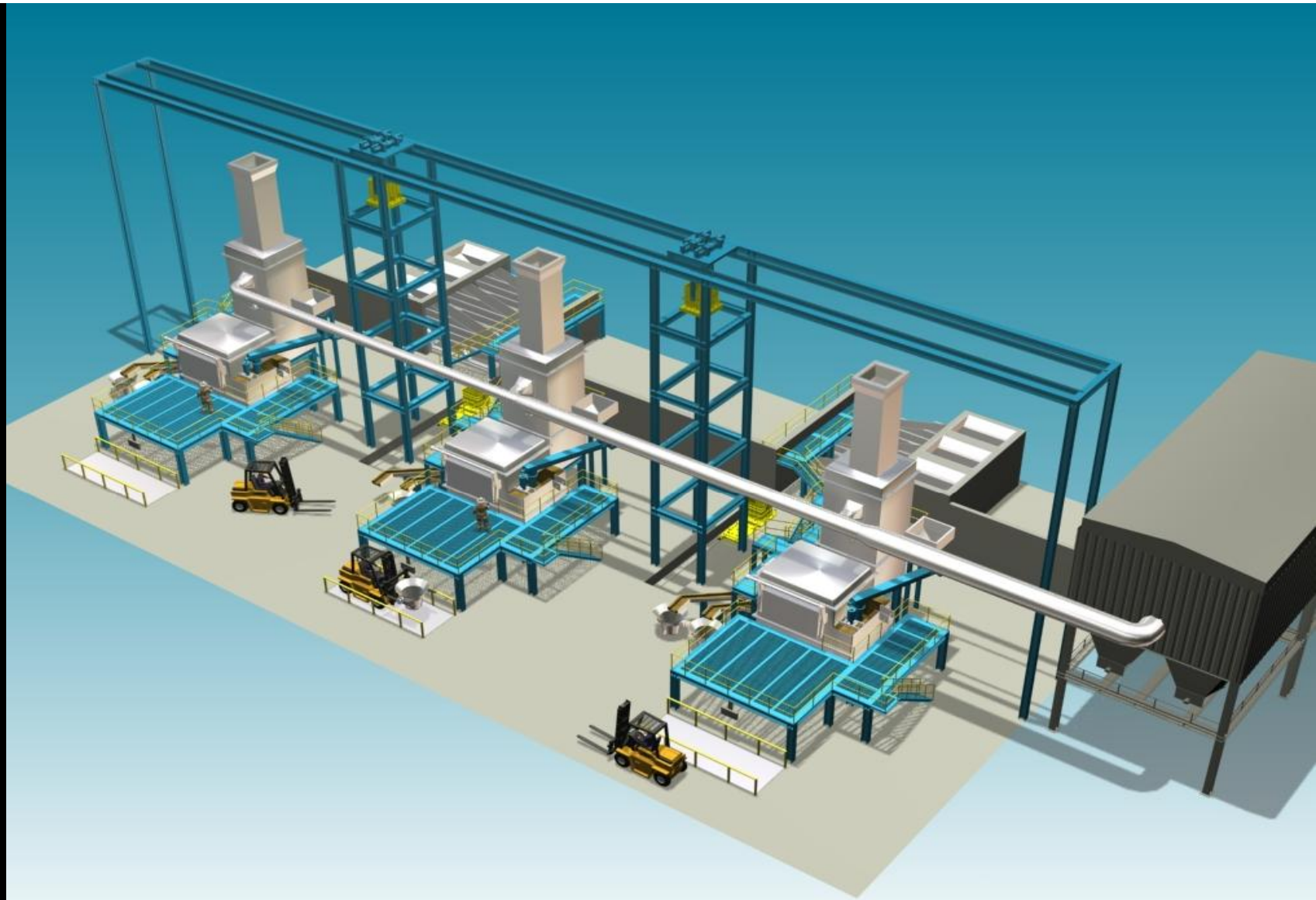


NF Metal Recycling



Aluminum
remelting and refining

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| NF Metal Recycling

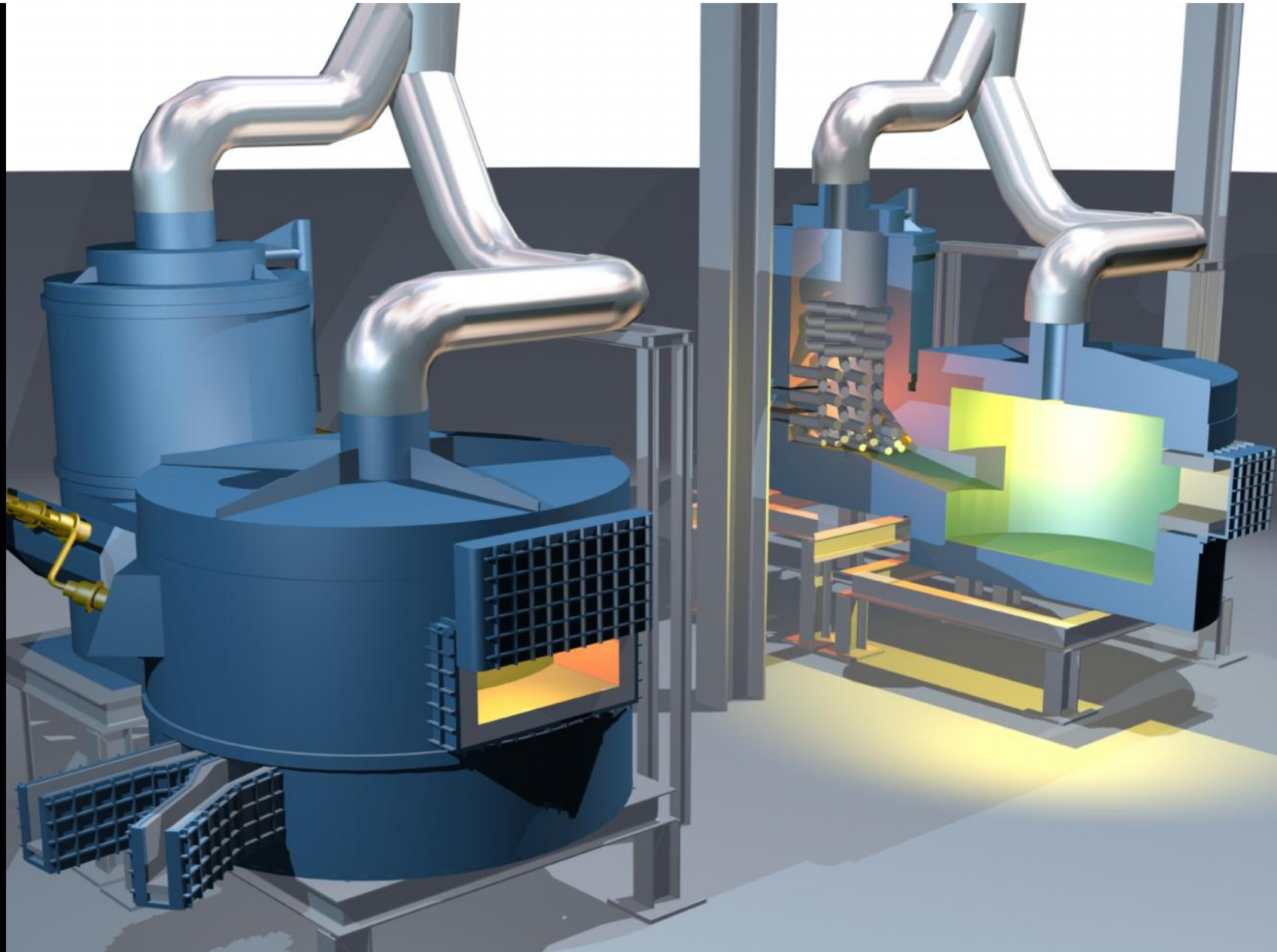


NF Metal Recycling



Shaft furnace
for aluminium melting

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NF Metal Recycling



NF Metal Recycling



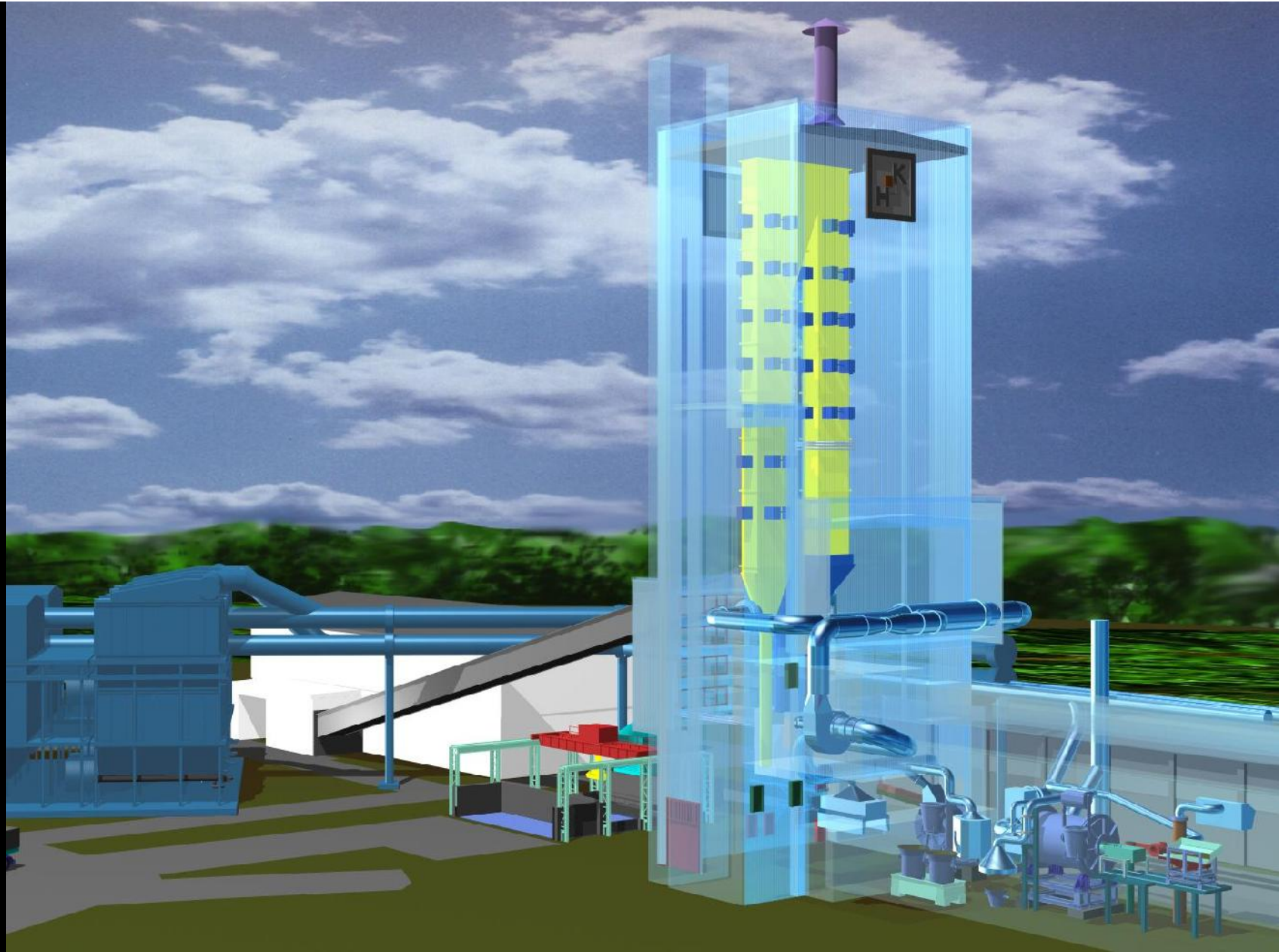
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NF Metal Recycling



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NF Metal Recycling



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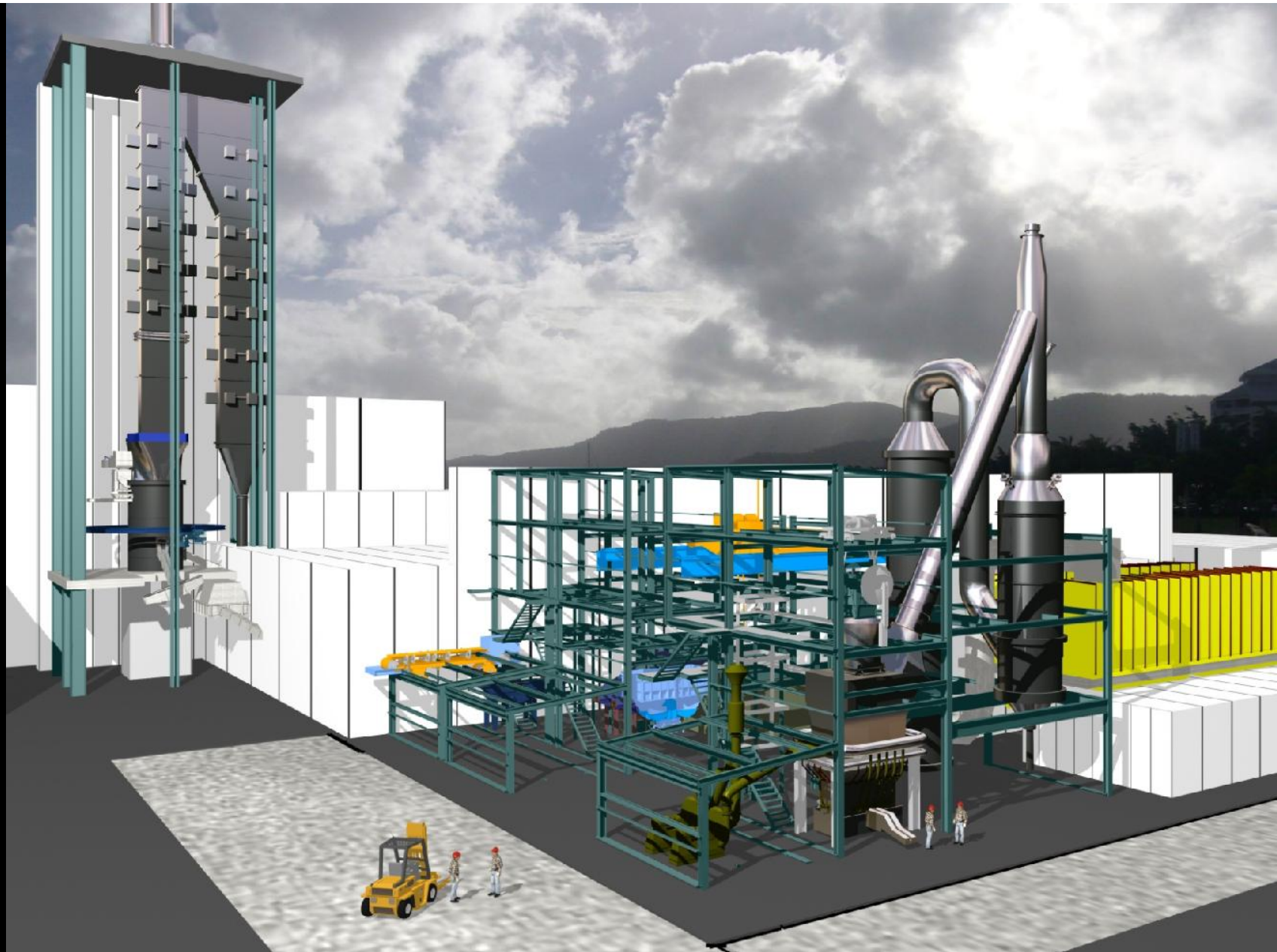


NF Metal Recycling



Bath smelting furnace
for copper

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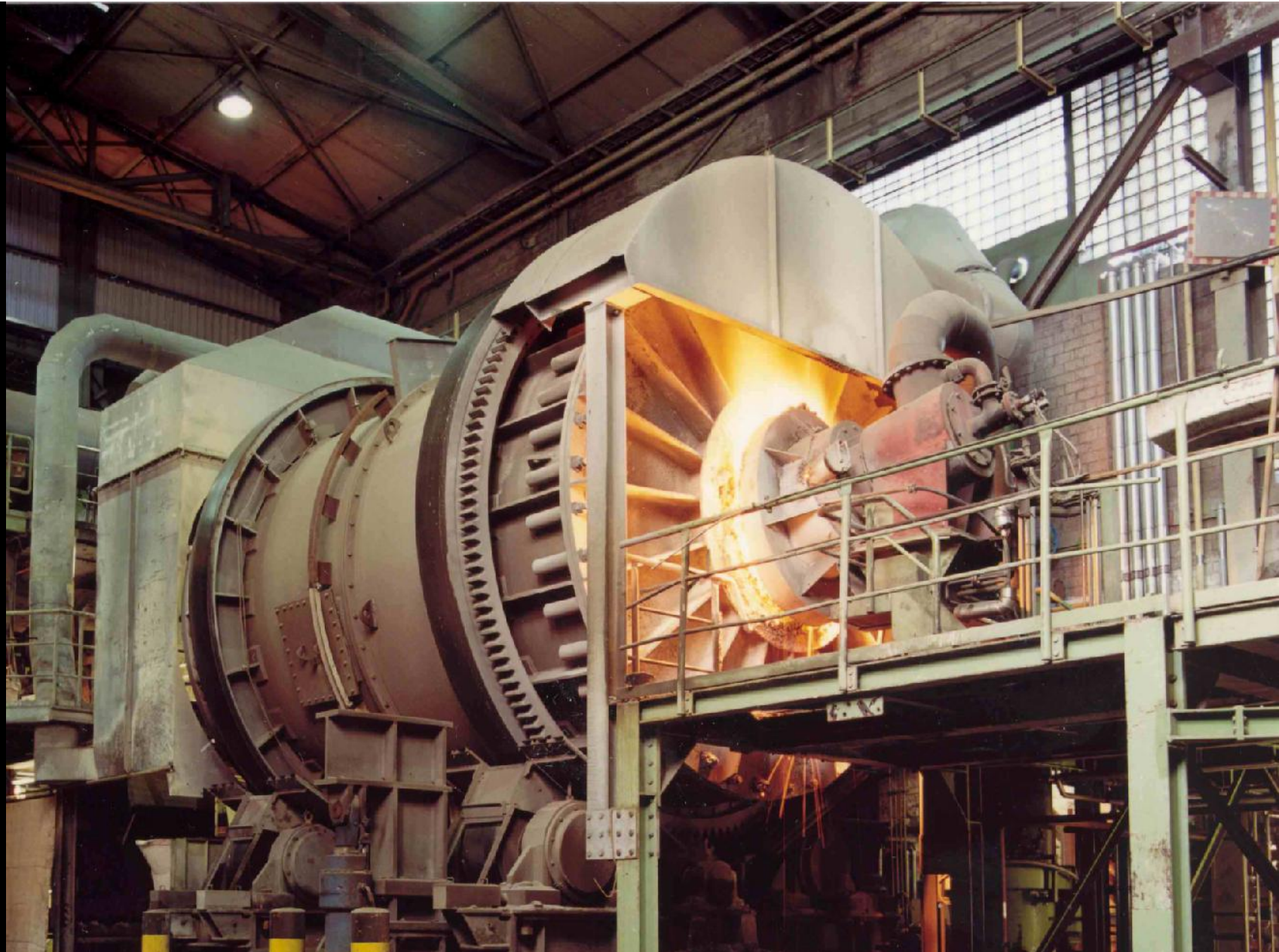


NF Metal Recycling



Rotary Furnace

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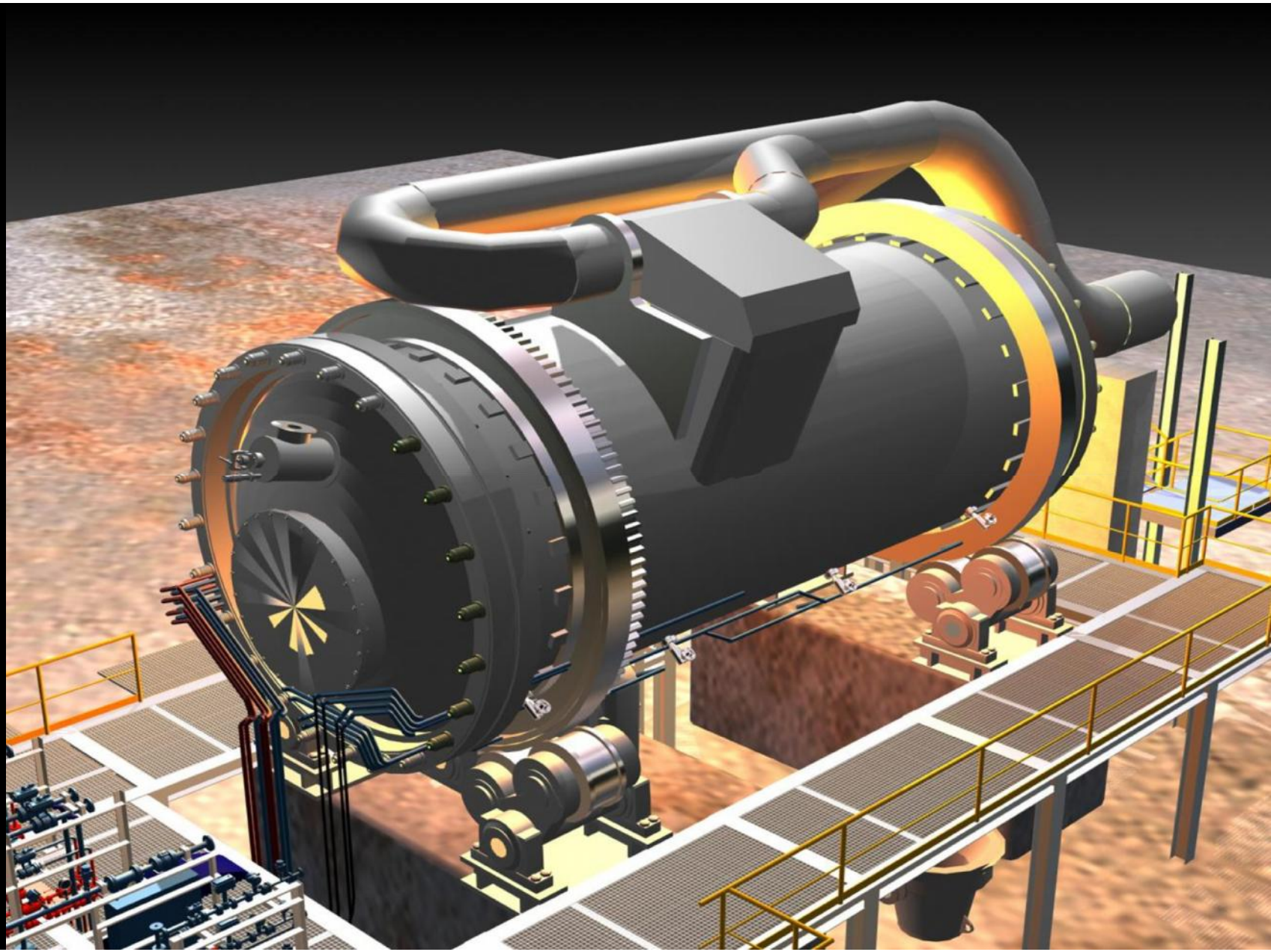


NF Metal Recycling



Holding furnace
for copper

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NF Metal Recycling



Refining
of tin alloy

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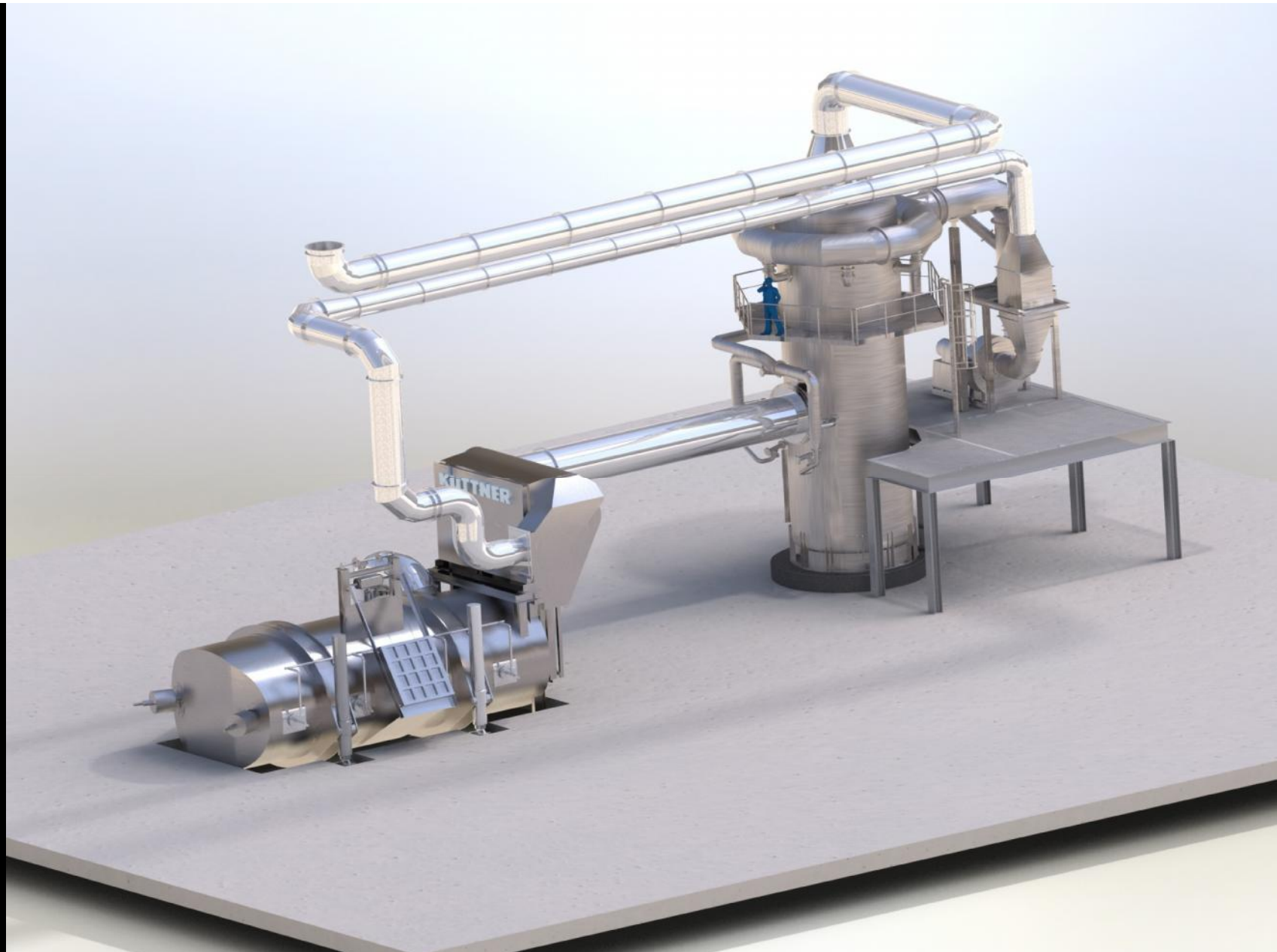


NF Metal Recycling



Tilttable Reverb Furnace

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Shaft Furnace

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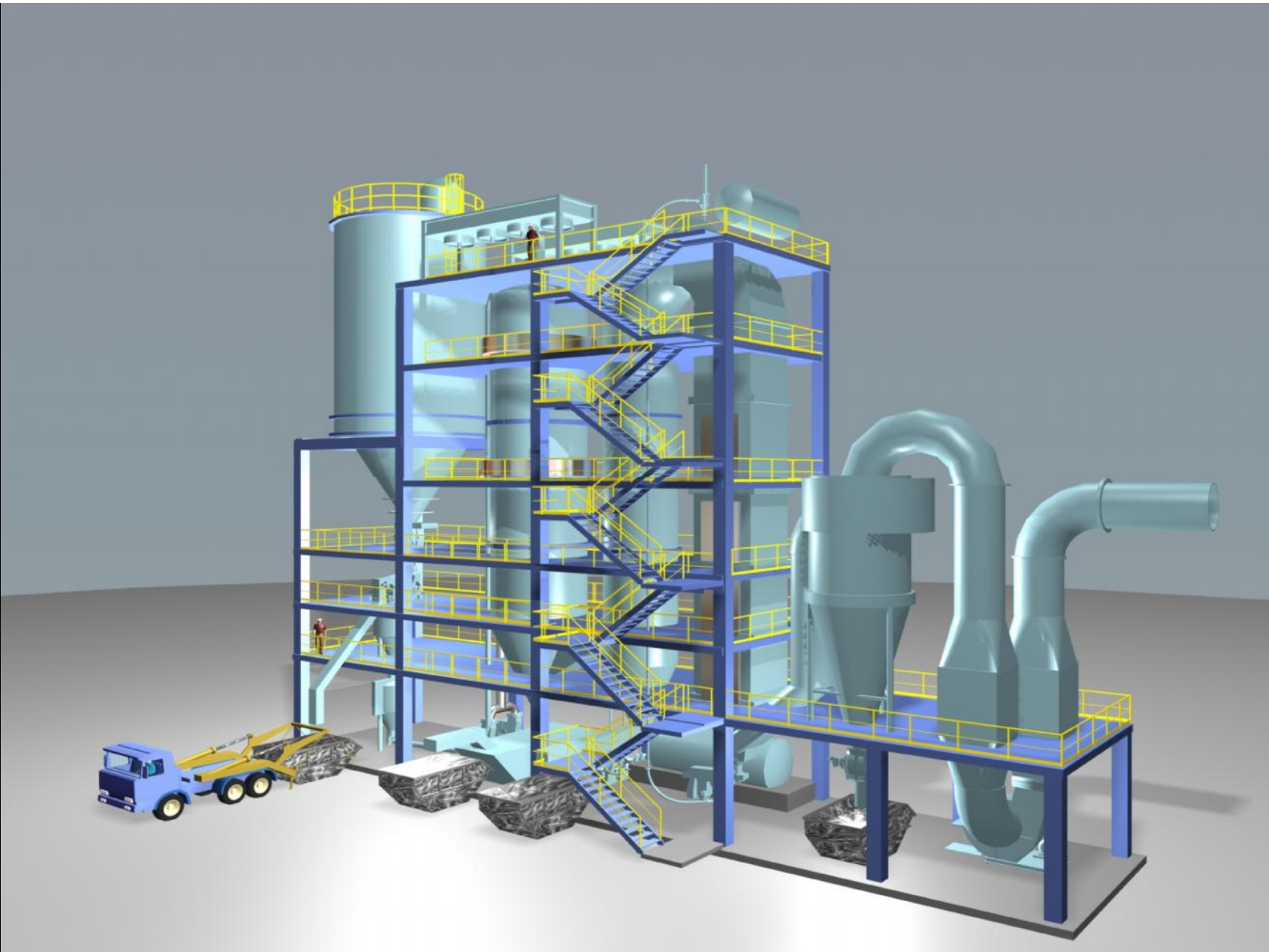


NF Metal Recycling



Smelting Cyclone

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NF Metal Recycling



Converter Furnace

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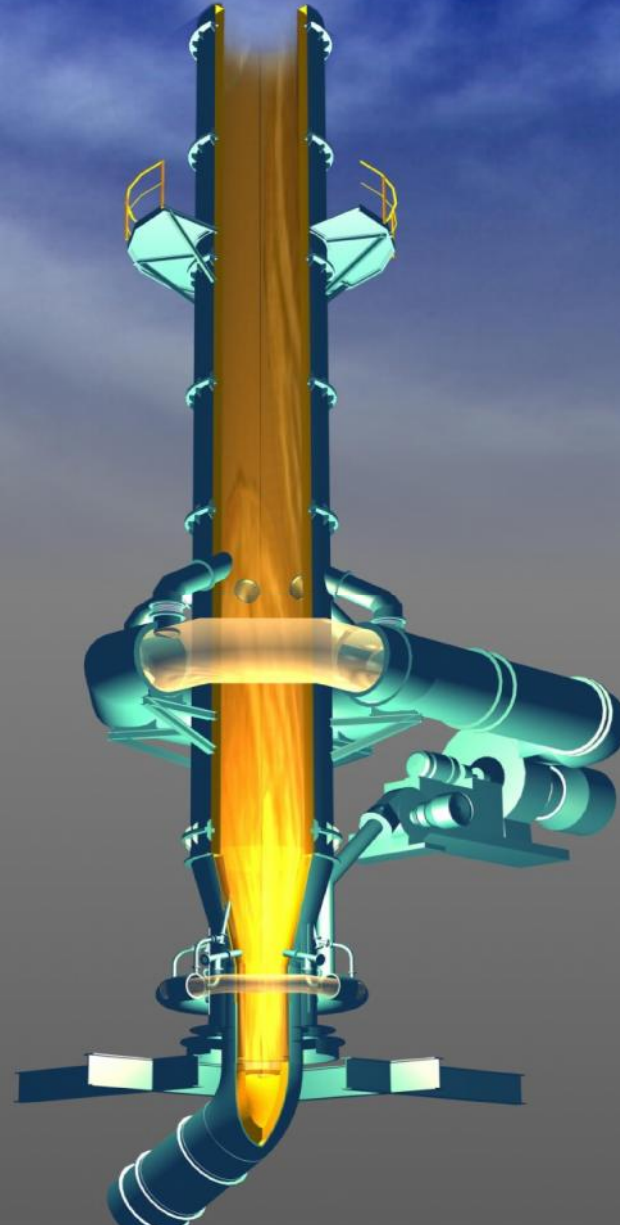


NF Metal Recycling



Combustion chamber
with
intensive gas mixing

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NF Metal Recycling



NF Metal
Recycling

Recycling of precious
non ferrous metals saves our resources

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NF Metal Recycling

Process automation



Electric cabinets

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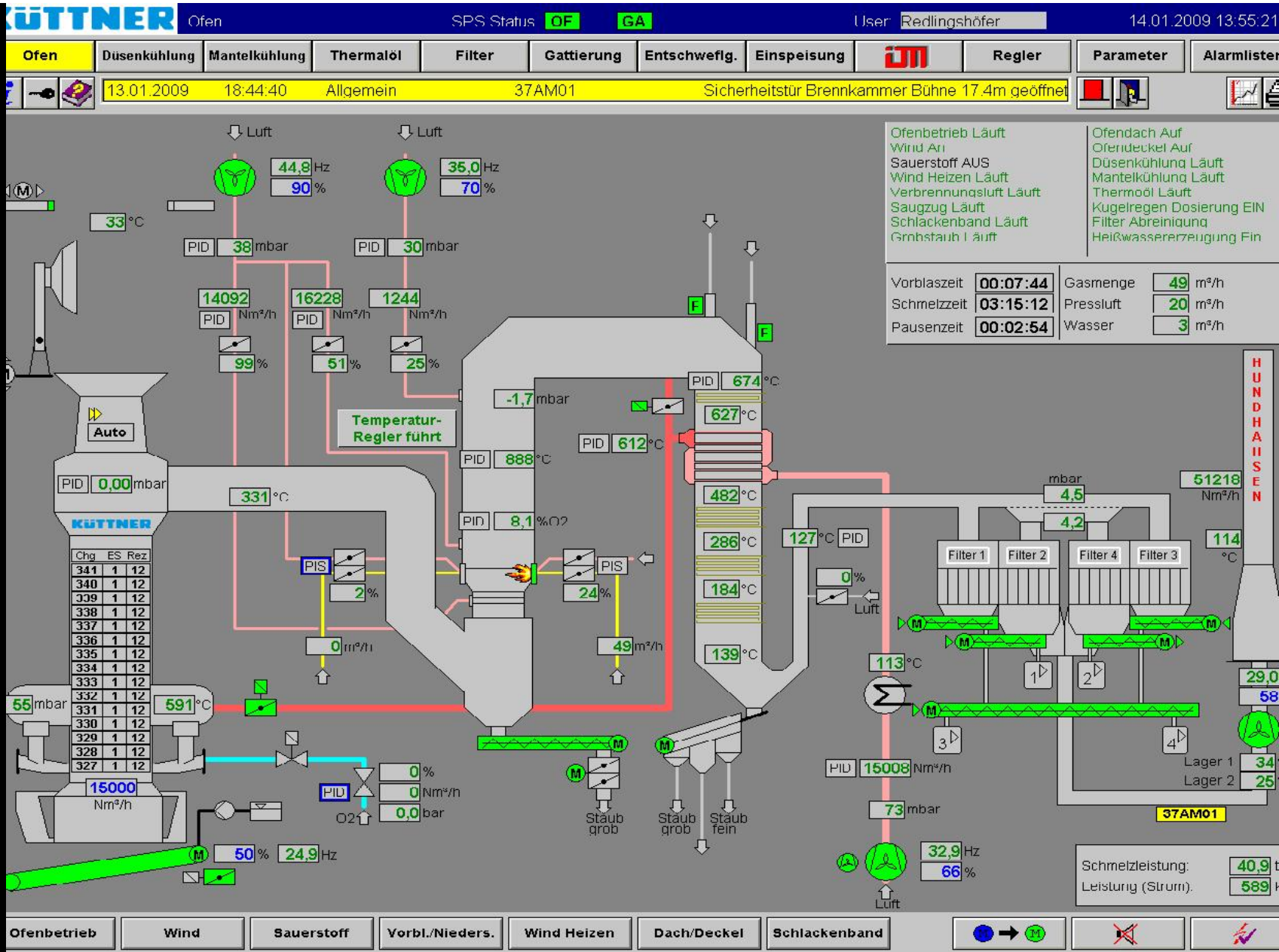


Process automation



Human - machine interface

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Process automation



Centralized
Control room

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