



**SPECIALIST
MACHINERY
SALES**

AUSTRALIA, NEW ZEALAND & SE ASIA

THOUGHT-LEADER IN STEEL PROCESSING AUTOMATION

REFERENCES FOR PAINTING PROJECTS



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SLF PAINTING SYSTEMS

Discover the exceptional capabilities of SLF Painting Systems, designed to revolutionise your coating processes with precision and efficiency. Our systems are engineered with cutting-edge technology to ensure superior results, whether you're painting large industrial components or intricate parts.

SLF Painting Systems offer unmatched flexibility, allowing you to customise your coating process according to your specific requirements. From wet paint spraying to powder coating, our systems cater to a wide range of applications, delivering high-quality finishes consistently. Equipped with innovative features such as customisable conveyor techniques, lifting platforms, and application techniques, SLF Painting Systems are tailored to optimise your workflow. Additionally, we provide ventilation components and equipment for paint mixing or storage rooms, ensuring a seamless and efficient painting process from start to finish.

Check below for examples of successful projects using SLF Painting Systems in various industries and applications, demonstrating our commitment to excellence and customer satisfaction.





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OPEN-SPACE PAINT SPRAYING SYSTEM AND HIGH-PRESSURE CLEANING BOOTH

Industry Sector

Steel construction

Work piece

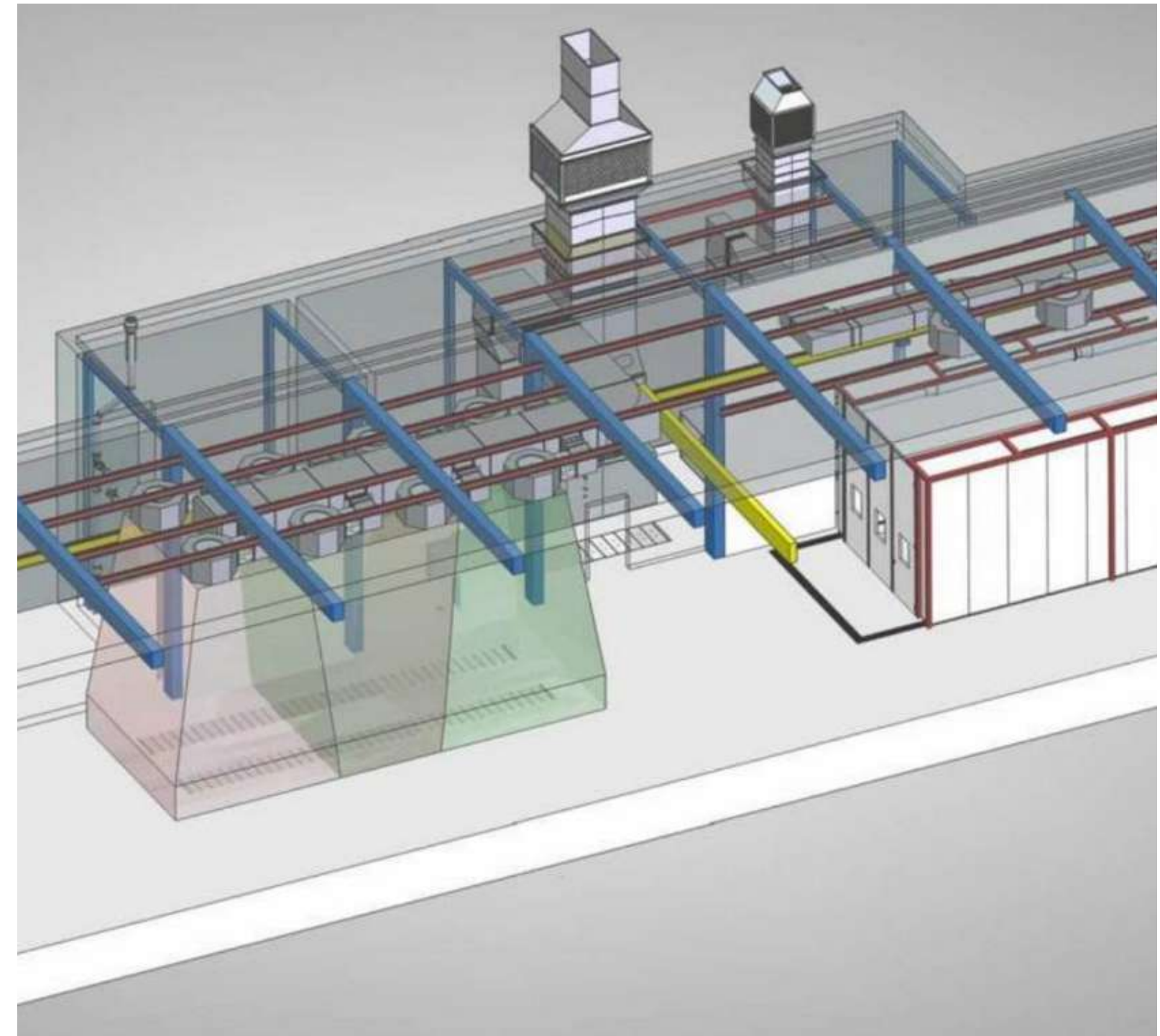
Steel structures

Technical Data

- Open-space paint spraying system with long-range nozzle technique 12 x 5 m
- High-pressure cleaning booth 10 x 5 x 4.3 m

Special features

- Open-space paint spraying system with heat recovery system, person detection system and ventilation system for the paint supply room
- High-pressure cleaning booth with crane slot and circulated process water treatment system





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OPEN-SPACE PAINT SPRAYING SYSTEM AND HIGH-PRESSURE CLEANING BOOTH



HIGH-PRESSURE CLEANING BOOTH

High-pressure cleaning booth



Permanently open crane slot

REFERENCE 1



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OPEN-SPACE PAINT SPRAYING SYSTEM AND HIGH-PRESSURE CLEANING BOOTH



HIGH-PRESSURE CLEANING BOOTH

Open-space paint spraying system with long-range nozzle technique



Dual-stream long-range nozzles

REFERENCE 1



COMBINED PAINT SPRAYING AND DRYING BOOTH (CAN BE SEPARATED INTO TWO PARTS)

Industry Sector

Steel construction

Work piece

Steel construction components

Technical Data

- Combined paint spraying and drying booth 18 x 6 x 5 m

Special features

- Booth can be divided into two separate booths with a length of 9 m each
- Two supply air and exhaust air devices with a capacity of 50,000 m³/h each for an independent operation of both booth parts
- Two electrically operated roll-up doors and an electrically operated roll-up door serving as separation door to subdivide the booth





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COMBINED PAINT SPRAYING AND DRYING BOOTH (CAN BE SEPARATED INTO TWO PARTS)



Separating roll-up door to subdivide the booth into two booth parts of equal length

REFERENCE 2



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COMBINED PAINT SPRAYING AND DRYING BOOTHS

Industry Sector

Steel, stainless steel and aluminium processing

Work piece

Machine housings for the wind energy sector

Technical Data

- 2 Combined paint spraying and drying booths 16 x 9 x 5.5 m incl. moveable supply air segment

Special features

- Twin-Cabin Concept (roof and face side of the booths can be completely moved aside)
- Heat recovery by plate heat exchanger



REFERENCE 3



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COMBINED PAINT SPRAYING AND DRYING BOOTHS



REFERENCE 3



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COMBINED PAINT SPRAYING AND DRYING BOOTHS



REFERENCE 3



OPEN-SPACE PAINT SPRAYING SYSTEM WITH TELESCOPIC DRYER AND TELESCOPIC HIGH-PRESSURE CLEANING BOOTH

Industry Sector

Machine construction

Work piece

Containers

Technical Data

- High-pressure cleaning system
- Telescopic cleaning booth
- Open-space paint spraying system with long range nozzles
- Telescopic drying tunnel
- Refrigerating dryer

Special features

- Open-space paint spraying system with Quick-Clean System, heat recovery by cross-flow heat exchanger and horizontal scissor-type lifting platforms
- Paint storage equipment





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OPEN-SPACE PAINT SPRAYING SYSTEM WITH TELESCOPIC DRYER AND TELESCOPIC HIGH-PRESSURE CLEANING BOOTH



Telescopic dryer



Telescopic high-pressure cleaning booth

REFERENCE 4



COMBINED PAINT SPRAYING AND DRYING BOOTH

Industry Sector

Container construction

Work piece

Container

Technical Data

- Combined paint spraying and drying booth 18 x 7 x 5.8 m

Special features

- Heat recovery system by cross-flow heat exchanger
- Person detection system
- Saver circuit to reduce the air capacity if no paint spraying work is performed
- Ventilated working pit to treat the bottom area of the work pieces
- Ventilation system for the paint supply room





COMBINED PAINT SPRAYING AND DRYING BOOTH



The large modules to be painted can be easily reached inside the booth from all sides – even from the bottom area!





MOVABLE COMBINED PAINT SPRAYING AND DRYING BOOTH

Industry Sector

Wind energy sector

Work piece

Rotor and stators

Technical Data

- Moveable combined paint spraying and drying booth 9.5 x 9.5 x 5.5 m

Special features

- Sectional and diagonal ventilation with 50,000 m³/h supply air and exhaust air
- Automatic person detection system by camera
- Heat recovery system by plate heat exchanger
- Saver circuit
- Machine design without foundations for an easy disassembly and reassembly of the machine if required





COMBINED PAINT SPRAYING AND DRYING BOOTH WITH RAIL SYSTEM

Industry Sector

Hot dip galvanising shop

Work piece

Zinced slurry tanks

Technical Data

- Combined paint spraying and drying booth 16 x 6 x 5.1 m
- Rail system for a travelling distance of 48 m with 2 heavy-load trolleys for a wheel load of 10 t each and including electric tow car

Special features

- Horizontal ventilation with an air capacity of 2x 34,000 m³/h
- Saver circuit for the reduction of the air capacity if no spraying work is being carried out
- Dust separation system
- Equipment for a paint storage room





HIGH-PRESSURE CLEANING BOOTH AND OPEN-SPACE PAINT SPRAYING SYSTEM

Industry Sector

Contract coating

Work piece

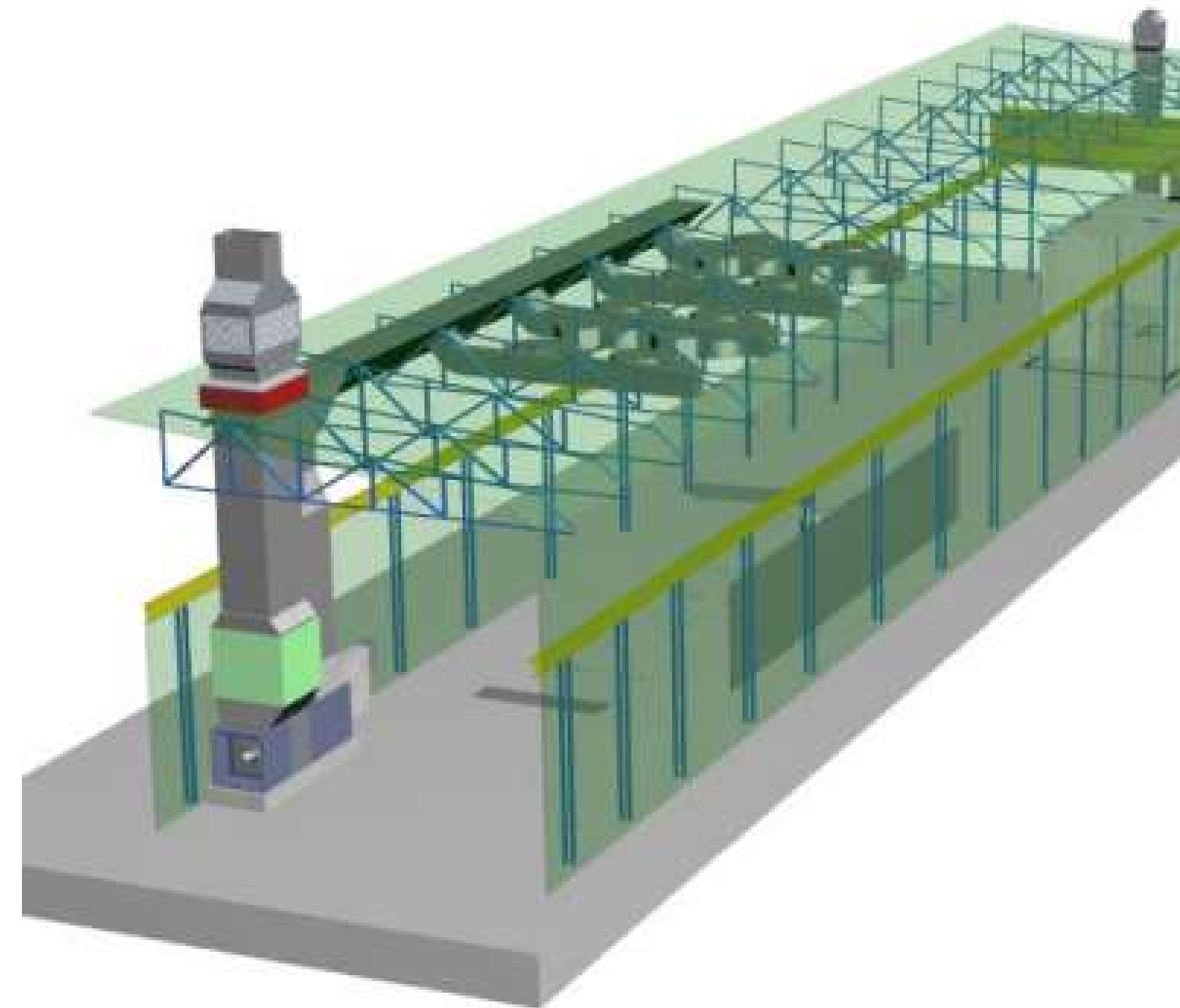
Turbines and parts of power plants

Technical Data

- High-pressure cleaning booth 10 x 6 x 5 m
- Open-space paint spraying system 2 x 8 x 6 m

Special features

- High-pressure cleaning booth with process water treatment system
- Open-space paint spraying system with heat recovery system by plate heat exchanger





HIGH-PRESSURE CLEANING BOOTH AND OPEN-SPACE PAINT SPRAYING SYSTEM



HIGH-PRESSURE CLEANING BOOTH

High-pressure cleaning booth with ceiling slot for loading and unloading by customer provided hall crane



Process water treatment system



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HIGH-PRESSURE CLEANING BOOTH AND OPEN-SPACE PAINT SPRAYING SYSTEM



OPEN-SPACE PAINT SPRAYING SYSTEM WITH LONG-RANGE NOZZLE TECHNIQUE



Open-space paint spraying system with dual-stream long-range nozzles



TELESCOPIC DRYING TUNNEL

Industry Sector

Crane construction

Work piece

Cranes

Technical Data

- Telescopic drying tunnel 37 x 6.76 x 5.2 m

Special features

- Reconstruction of the existing supply air system of the paint spraying system to long-range nozzle technique





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TELESCOPIC DRYING TUNNEL



Telescopic dryer retracted



Telescopic dryer extended



TELESCOPIC DRYING TUNNEL



Reconstruction of the existing supply air system of the paint spraying system to long-range nozzle technique



COMBINED PAINT SPRAYING AND DRYING BOOTH FOR REDESIGN PROJECTS OF COMPLETE TRAINS

Industry Sector

Rail vehicle construction

Work piece

Rail vehicles

Technical Data

- Combined paint spraying/drying booth 75 x 6.7 x 7.3 m
- Paint supply room 4.5 x 6 x 2.5 m

Special features

- Supply and exhaust air capacity of 60,000 m³/h
- Additional circulating air technique to increase the drying capacity (4 x 30,000 m³/h)
- Switching with 2 active sections (at the same time or independently from each other)
- Rope safety system to allow access on the rail vehicle
- Heat recovery system by plate heat exchanger for 60,000 m³/h
- Optical detection system for the automatic detection of the operator in the working areas using cameras
- Camera control system





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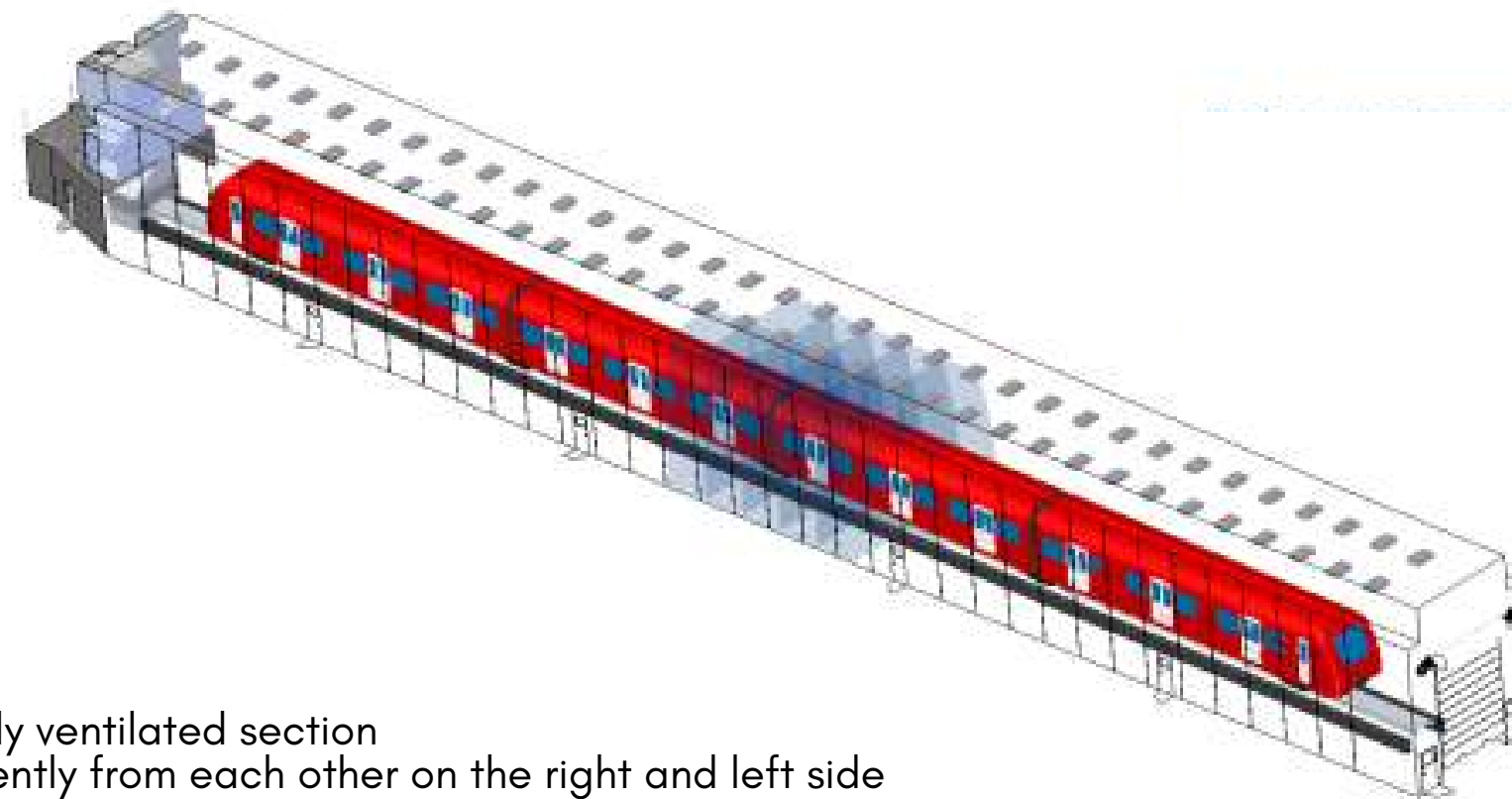
COMBINED PAINT SPRAYING AND DRYING BOOTH FOR REDESIGN PROJECTS OF COMPLETE TRAINS



Interior view of the combined paint spraying and drying booth

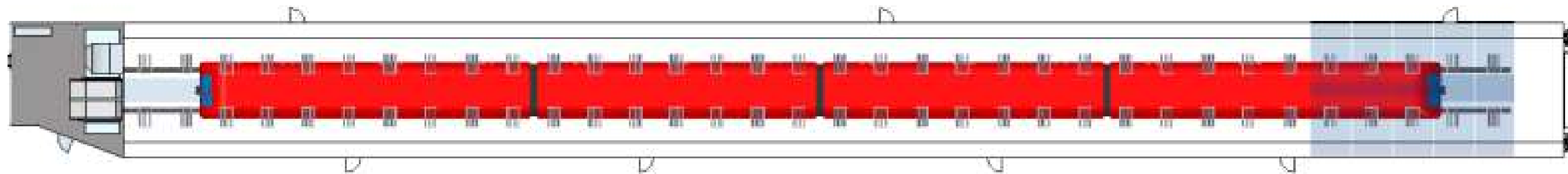


COMBINED PAINT SPRAYING AND DRYING BOOTH FOR REDESIGN PROJECTS OF COMPLETE TRAINS



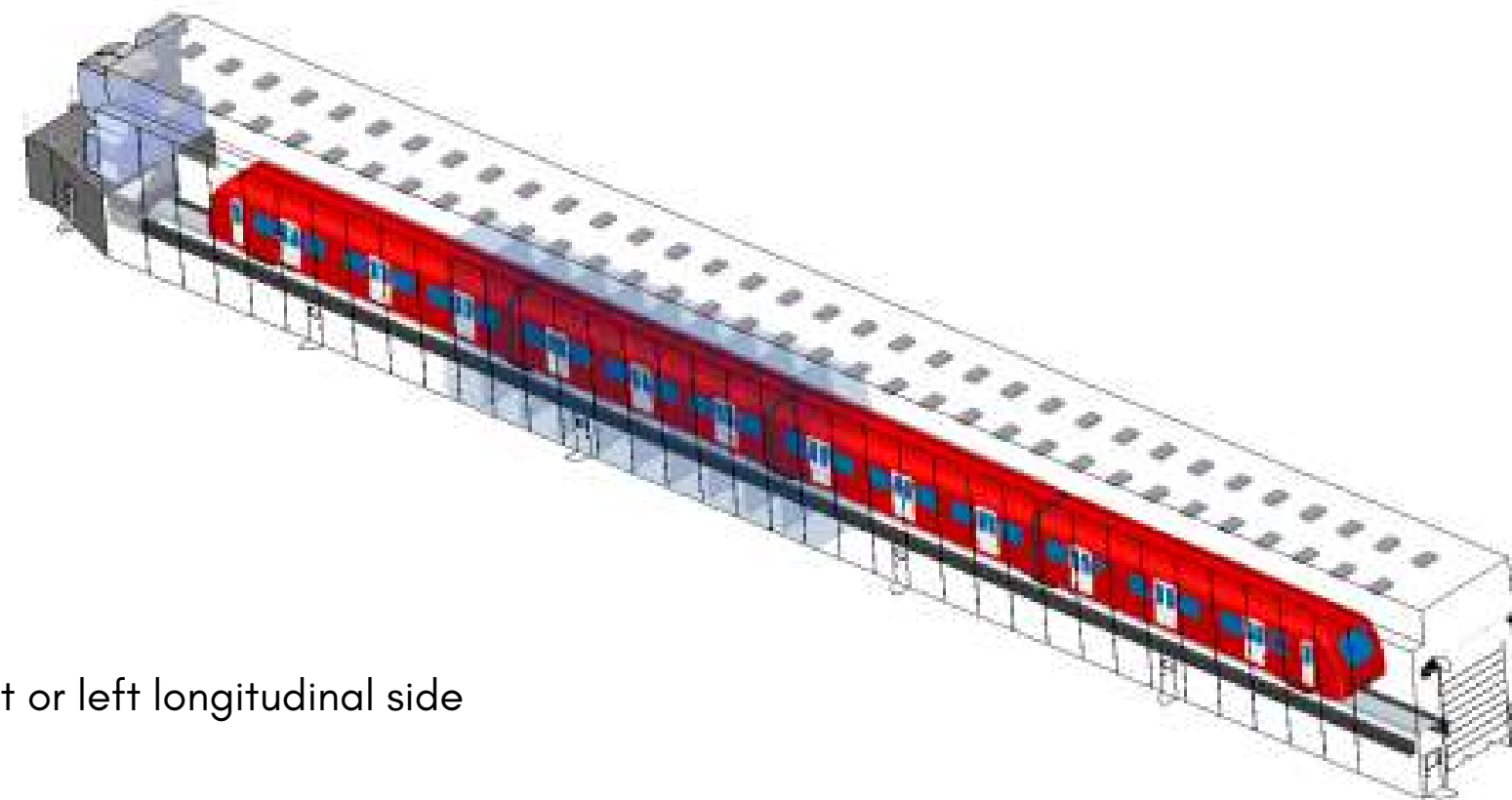
Active working zone

- 1 Team working in an actively ventilated section
- 2 Teams working independently from each other on the right and left side

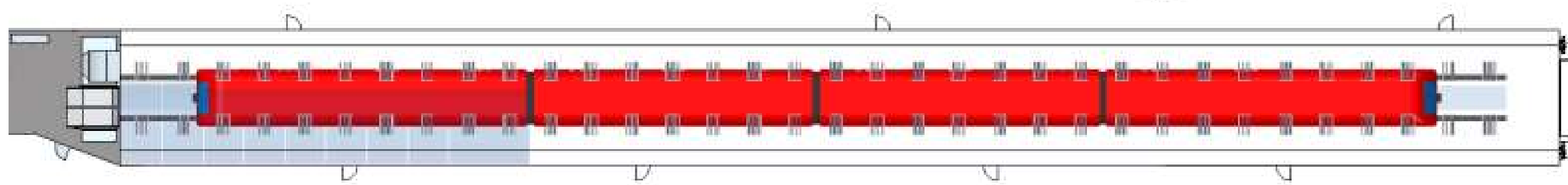




COMBINED PAINT SPRAYING AND DRYING BOOTH FOR REDESIGN PROJECTS OF COMPLETE TRAINS

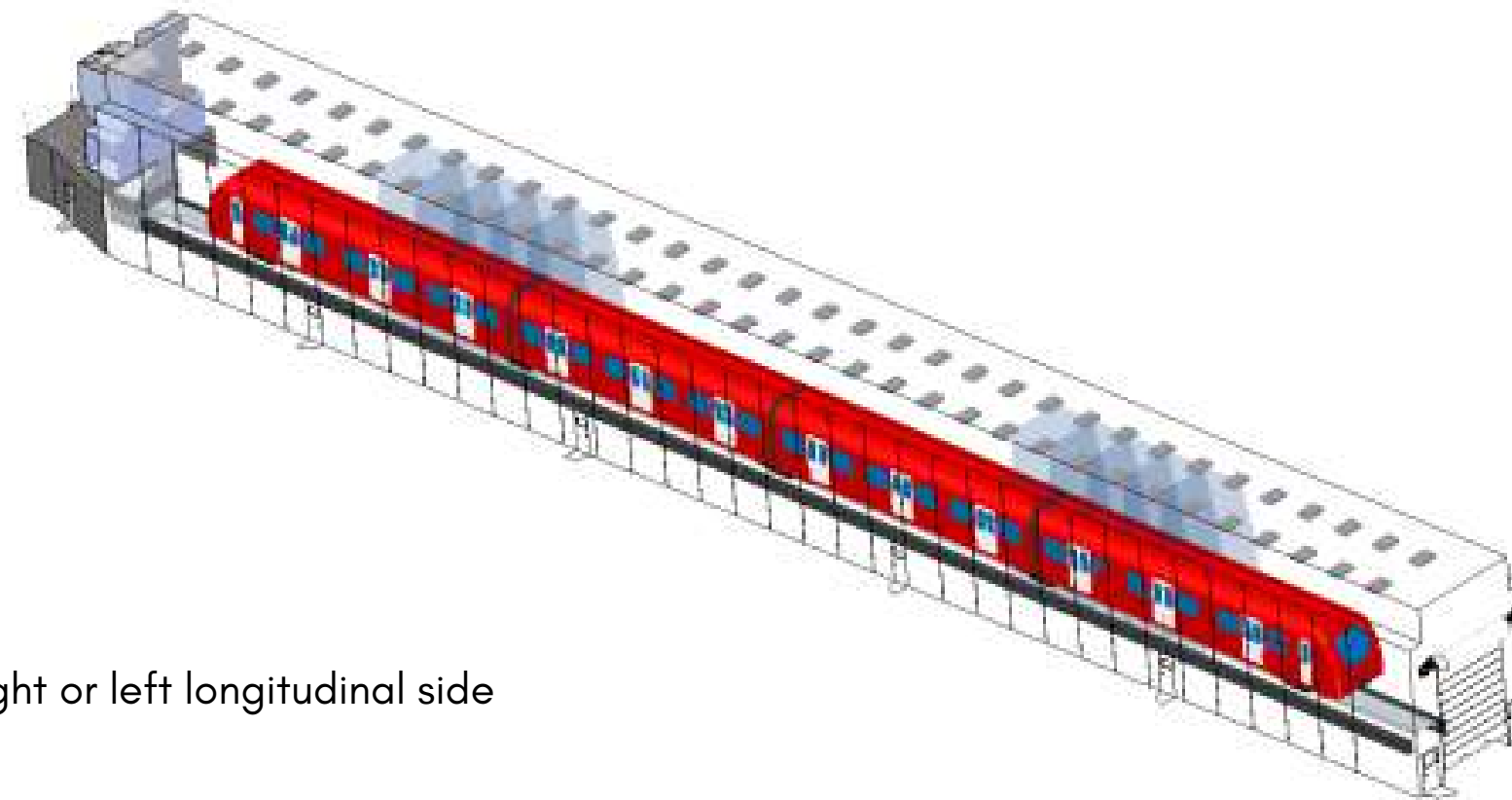


Active working zone
• 1 Team working on the right or left longitudinal side

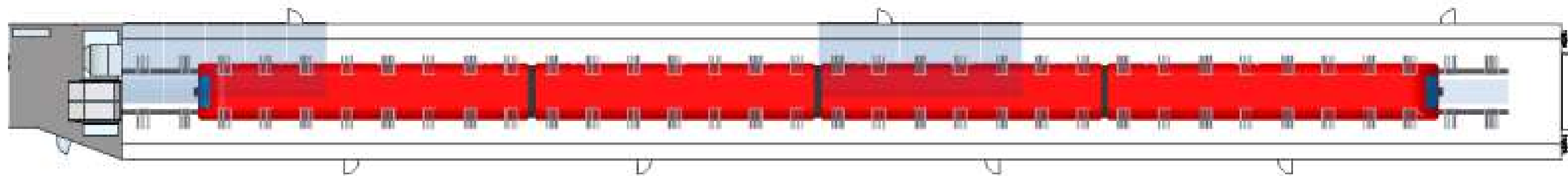




COMBINED PAINT SPRAYING AND DRYING BOOTH FOR REDESIGN PROJECTS OF COMPLETE TRAINS

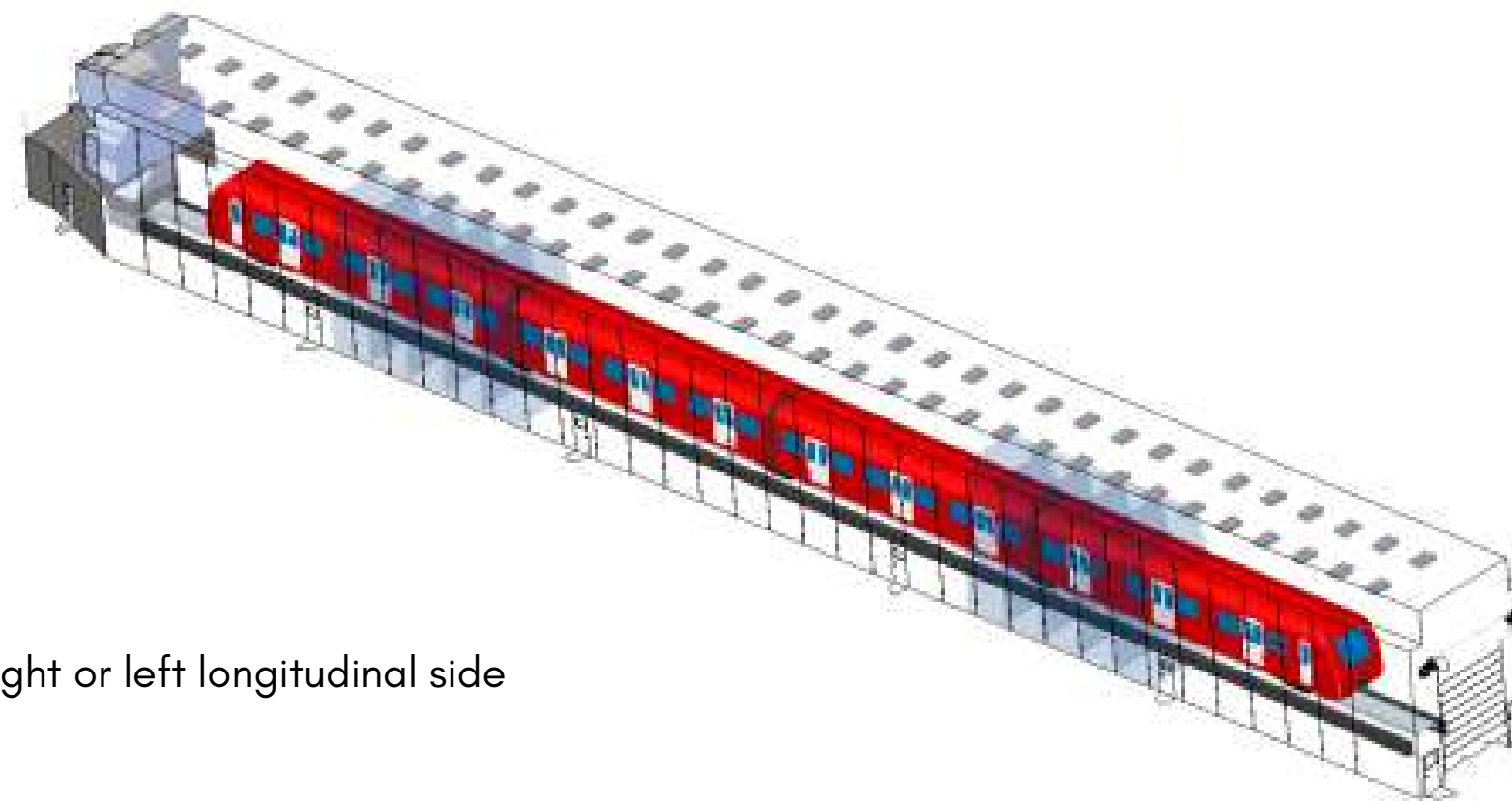


Active working zone
• 2 Teams working on the right or left longitudinal side

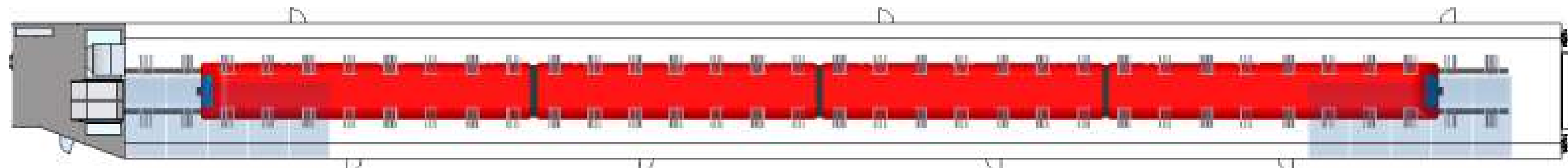




COMBINED PAINT SPRAYING AND DRYING BOOTH FOR REDESIGN PROJECTS OF COMPLETE TRAINS



Active working zone
• 2 Teams working on the right or left longitudinal side





NEW SURFACE TREATMENT CENTRE FOR LARGE COMPONENTS

Industry Sector

Plant engineering

Work piece

Components of asphalting plants

Technical Data

- 1 Preparation area 18 x 8.3 x 7.5 m
- 1 Combined paint spraying and drying booth 20 x 9.5 x 7.5 m
- 2 Powder coating booths, 18 x 8.3 x 6.5 m each
- 2 Powder enamelling furnaces, 14 x 4.3 x 6.8 m each
- 1 Technical equipment for a paint storage room 14 x 4 x 3 m

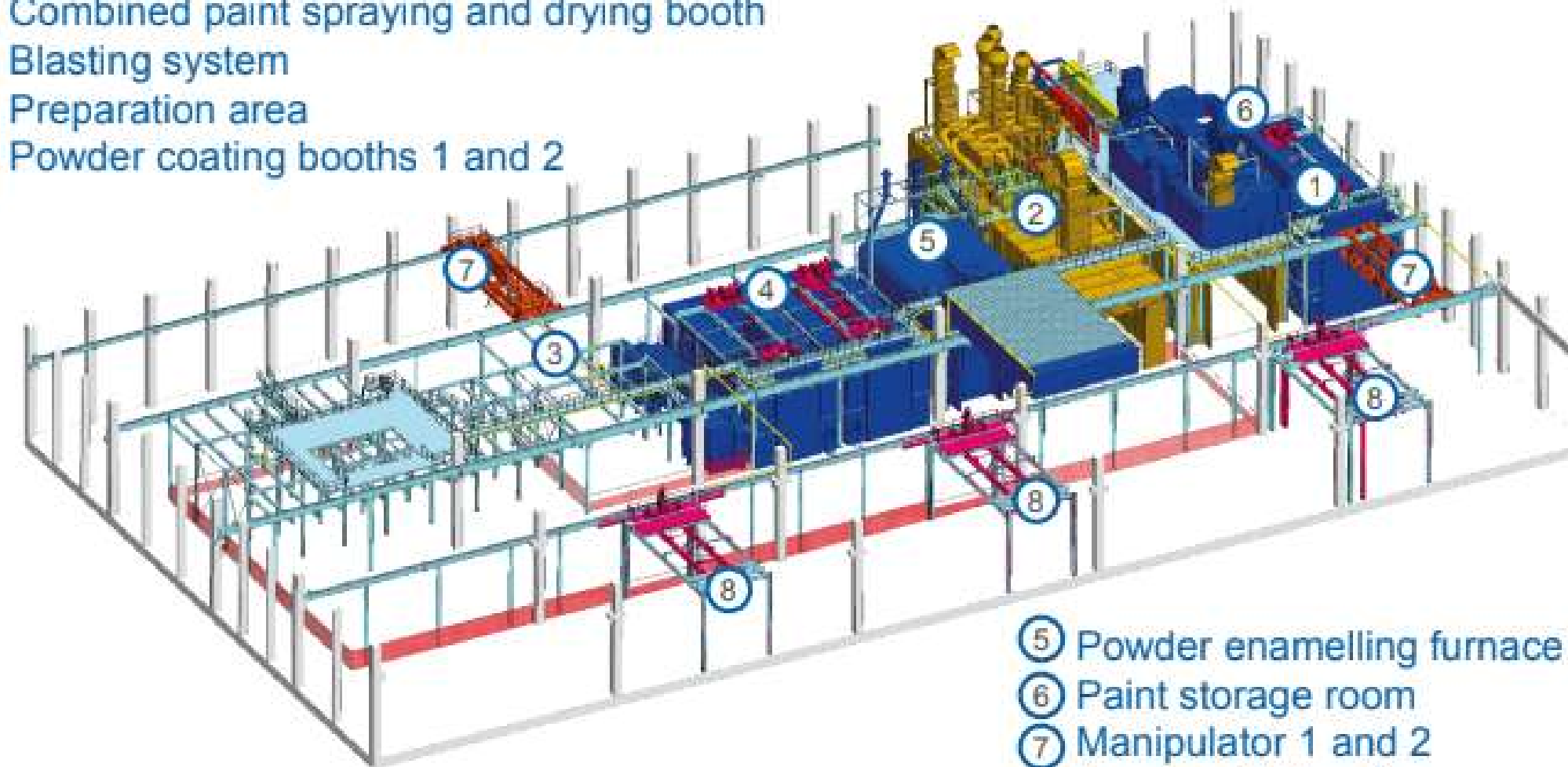
Special features

- Combined paint spraying and drying booth with an air capacity of 2x 60,000 m³/h, 3-stage paint mist separation system, heat recovery system, section control via radio remote control and recipe management system
- Powder coating booths completely equipped with powder application, fire detection and extinguishing system, section control via radio remote control
- All booths/working stations with energy-saving LED lighting
- Visualisation system and energy monitoring
- All ventilators with frequency converter and vibration control



NEW SURFACE TREATMENT CENTRE FOR LARGE COMPONENTS

- ① Combined paint spraying and drying booth
- ② Blasting system
- ③ Preparation area
- ④ Powder coating booths 1 and 2



- ⑤ Powder enamelling furnace 1 and 2
- ⑥ Paint storage room
- ⑦ Manipulator 1 and 2
- ⑧ Loading / Unloading

General view of the painting line including steel construction and conveying technique



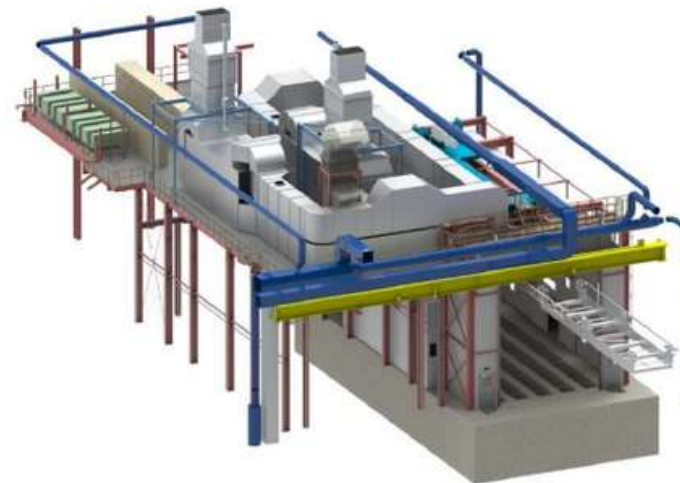
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NEW SURFACE TREATMENT CENTRE FOR LARGE COMPONENTS



COMBINED PAINT SPRAYING AND DRYING BOOTH 20 X 9.5 X 7.5 M

- Sectional ventilation with an air capacity of 120,000 m³/h
- Section control via radio remote control
- 3-stage paint mist separation
- Heat recovery
- Recipe management
- Integrated conveyor technology with lifting/lowering station for 22 t workpieces



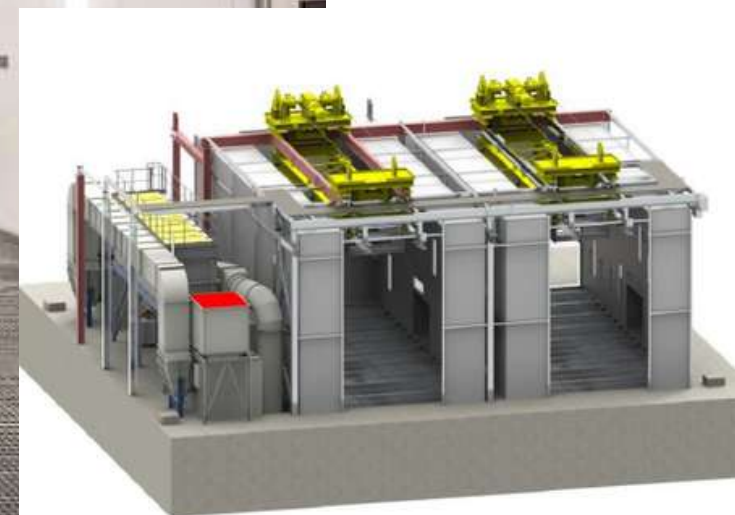


NEW SURFACE TREATMENT CENTRE FOR LARGE COMPONENTS



LARGE-CAPACITY POWDER COATING BOOTHS OF 18 X 8.3 X 6.5 M EACH

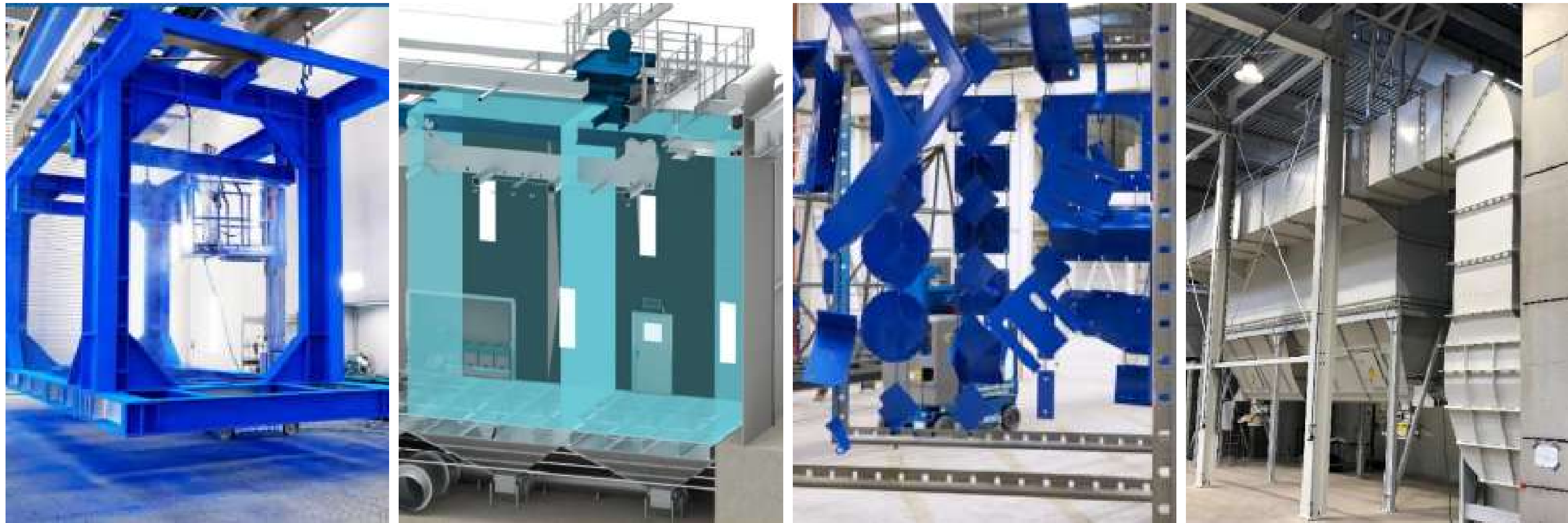
- Volume flow of 80,000 m³/h each
- Full-surface overspray collection via suction funnel
- Powder application technology
- Fire detection and extinguishing system
- Section control via radio remote control
- Integrated conveyor technology with lifting/lowering station for 22 t workpieces





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NEW SURFACE TREATMENT CENTRE FOR LARGE COMPONENTS



Large-capacity powder coating booths



POWDER COATING SYSTEM

Industry Sector

Coating services

Work piece

Made of steel, galvanised steel or aluminium

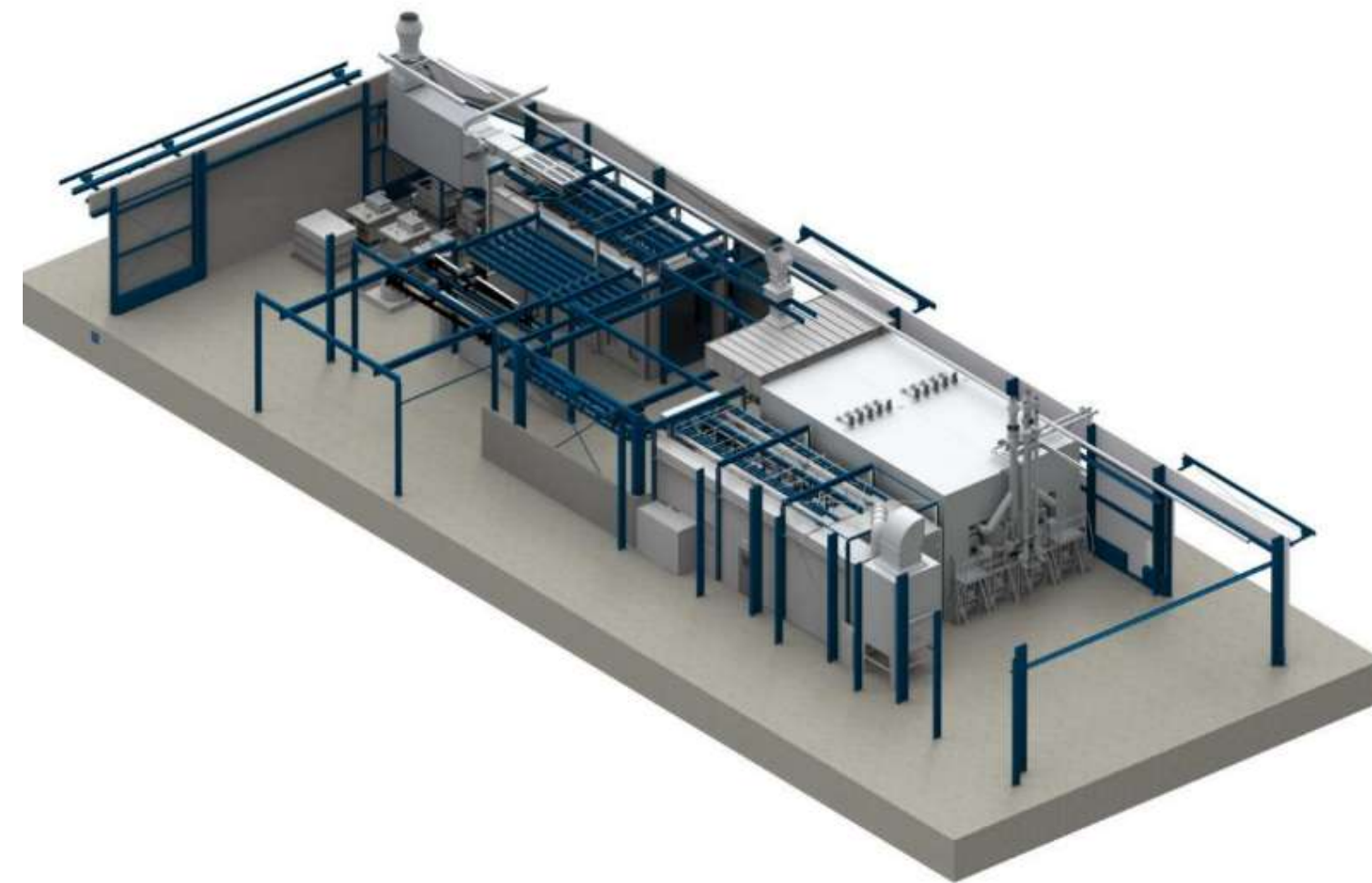
- max. dimensions (L x W x H): 8 x 2 x 2.8 m
- max. additional load per carrier: 2,000 kg
- max. additional load transfer bridge: 4,000 kg

Technical Data

- 1 High-pressure cleaning booth 10 x 4 x 5 m
- 1 Powder coating booth 11 x 4.15 x 4.7 m
- 1 Double powder enamelling furnace 9 x 7.2 x 4.5 m

Special features

- Automatic conveying system
- High-pressure cleaning booth with heat recovery system and spraying frame to automate the cleaning process as well as process water treatment units for steel and aluminium pre-treatment
- Powder coating system with fire suppression system and 2 sidewall lifting platforms
- Cleaning booth and powder coating booth with energy saving LED lighting
- Powder enamelling furnace with 2 separate, independent chambers
- Whole system is equipped with process visualisation including data archiving





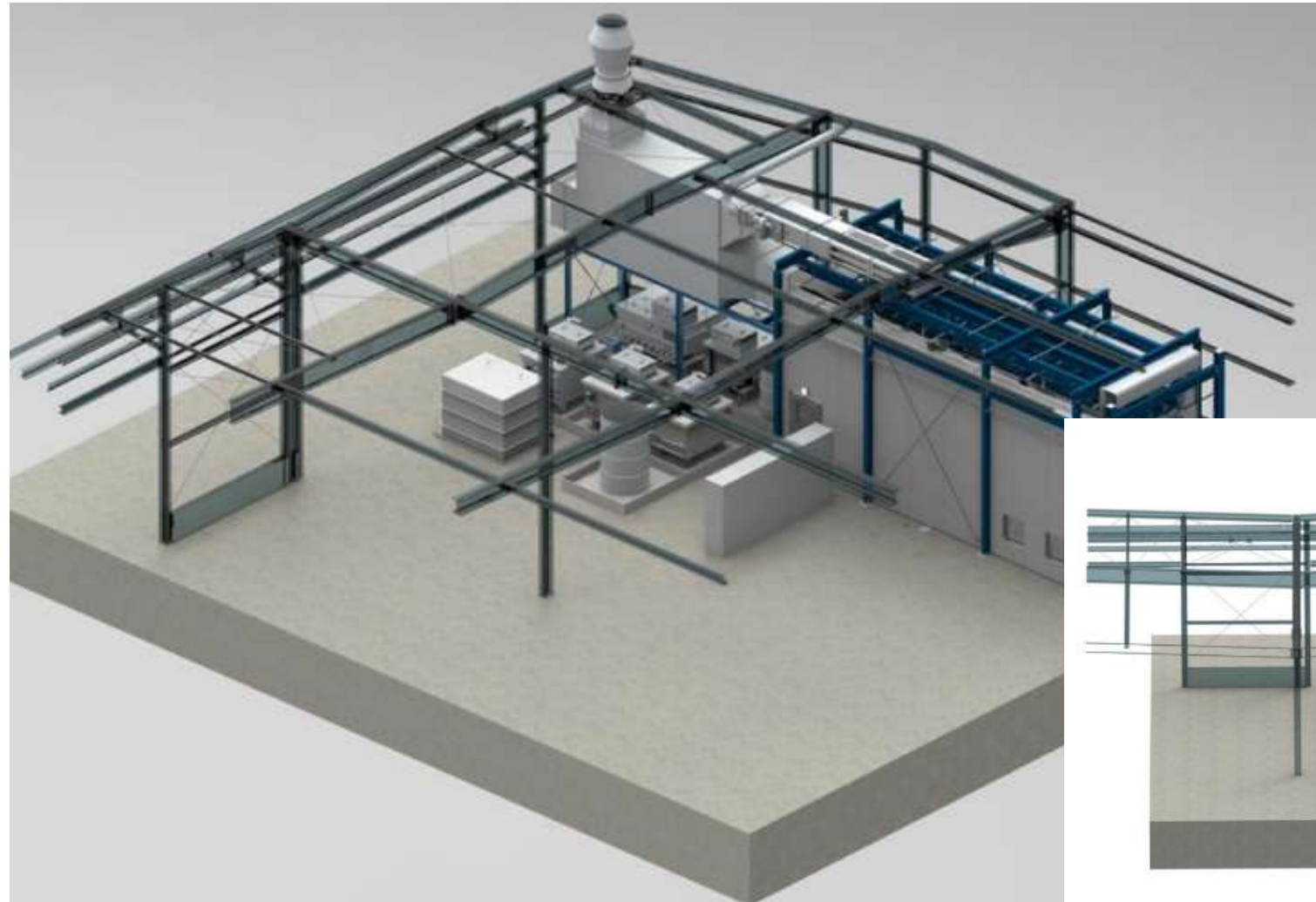
POWDER COATING SYSTEM



Fully automatic work piece transport

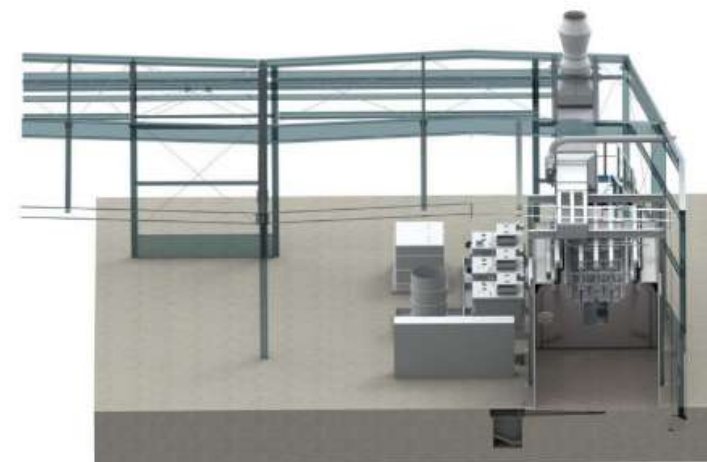


POWDER COATING SYSTEM



PRE-TREATMENT SYSTEM / BOOTH

- Parts that come into contact with water such as inner housing and escape door are made of stainless steel
- Electrically operated roll-up door
- LED ceiling lighting
- Vapours are captured by an extraction system located in the booth ceiling
- Heat recovery system



High-pressure cleaning booth with process water treatment units for steel and aluminium pre-treatment



POWDER COATING SYSTEM



PRE-TREATMENT BOOTH



Reversing spraying frame to automate the pre-treatment process



POWDER COATING SYSTEM



Steel pre-treatment

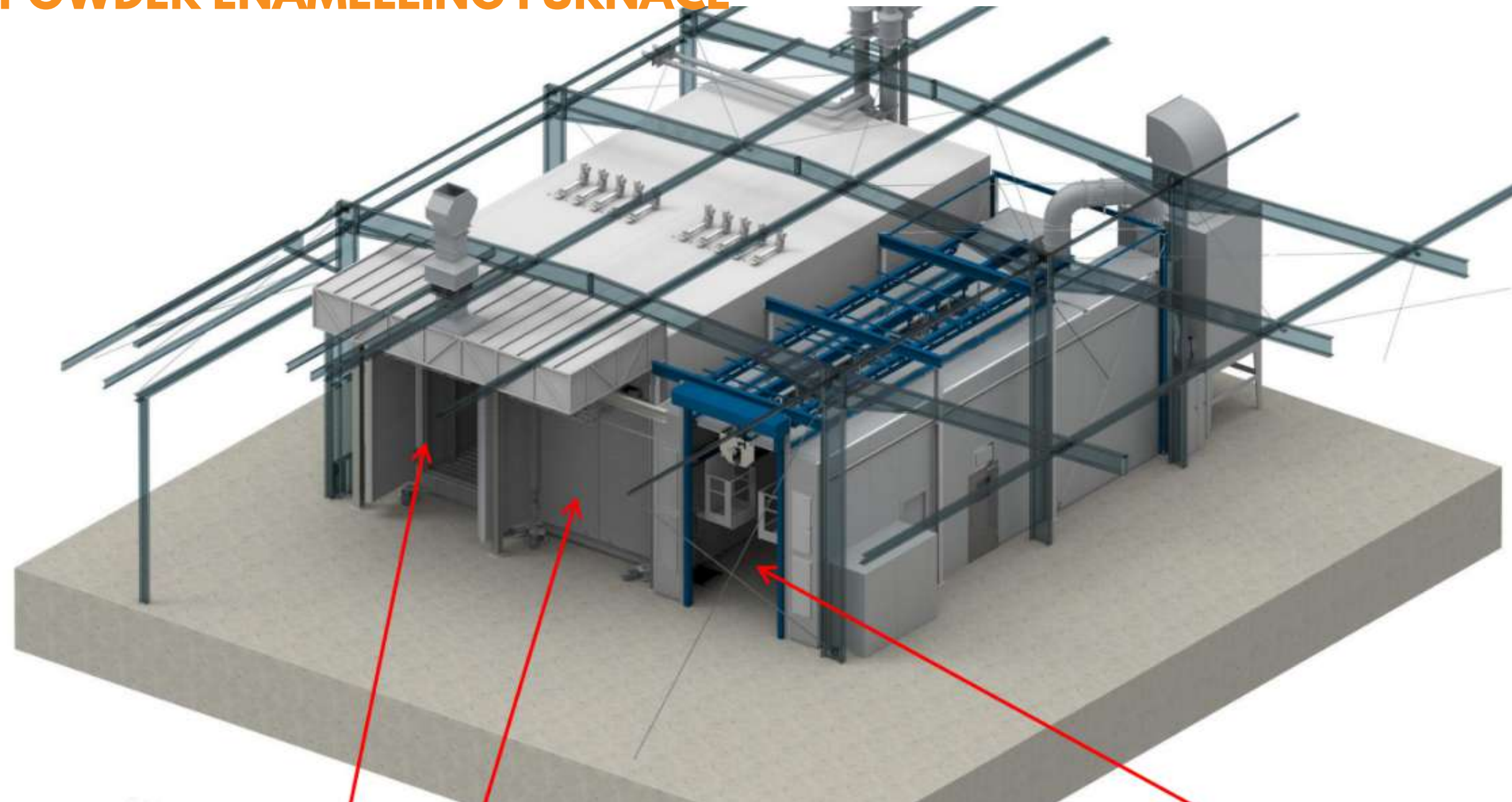


Aluminium pre-treatment

PRE-TREATMENT SYSTEM / PROCESS WATER TREATMENT SYSTEM



POWDER COATING BOOTH AND DOUBLE POWDER ENAMELLING FURNACE



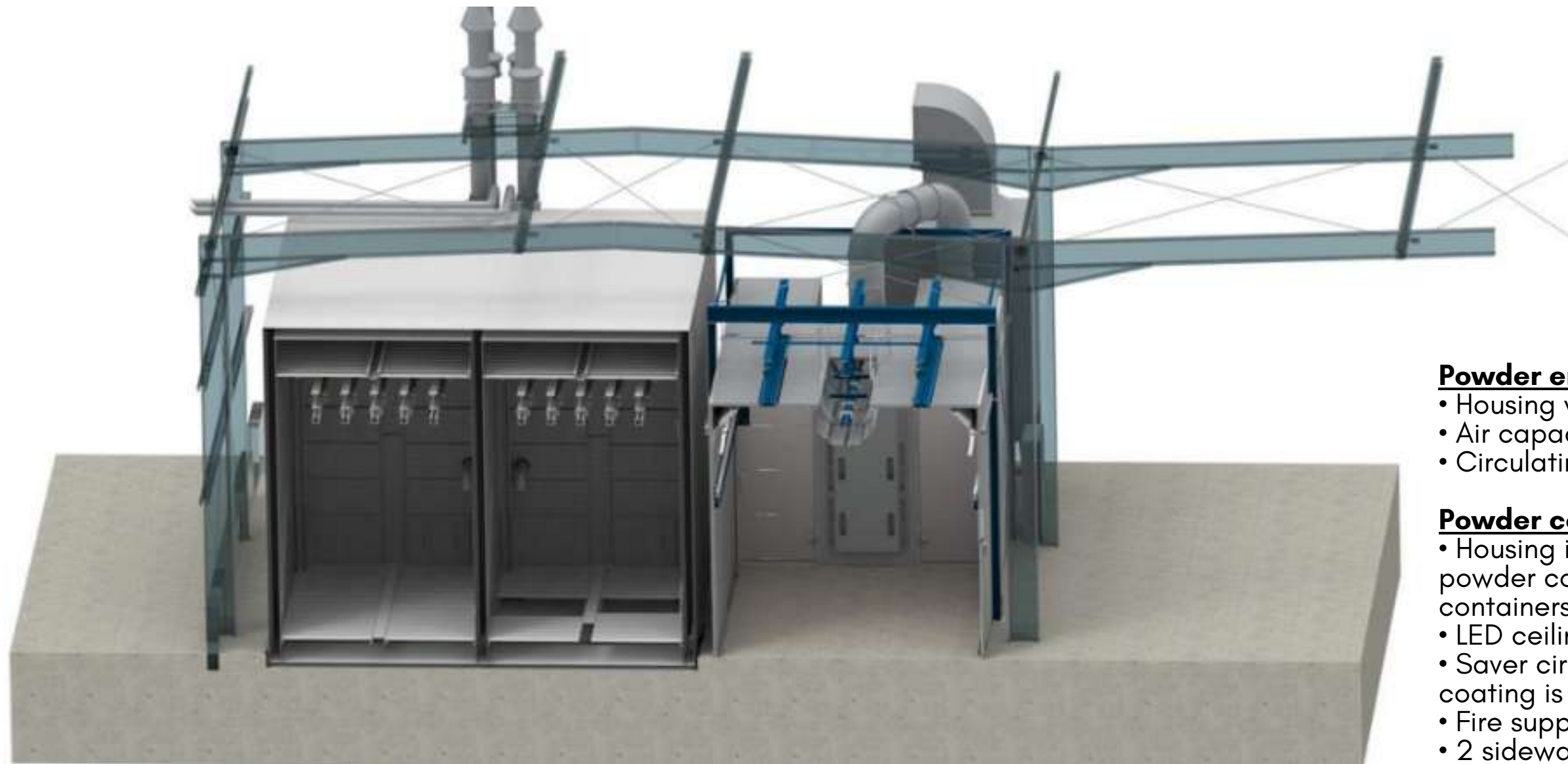
Powder enamelling furnace with enclosure, consisting of 2 chambers

Powder coating booth



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POWDER COATING BOOTH AND DOUBLE POWDER ENAMELLING FURNACE



Powder enamelling furnace

- Housing with 2 separate chambers
- Air capacity 50,000 m³/h per chamber
- Circulating air heating adjustable up to 230 °C

Powder coating booth

- Housing including extension to accommodate powder coating equipment trolleys or powder fluid containers
- LED ceiling lighting
- Saver circuit to reduce the air capacity when no coating is carried out
- Fire suppression system
- 2 sidewall lifting platforms



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POWDER COATING BOOTH



REFERENCE 12



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POWDER COATING BOOTH AND DOUBLE POWDER ENAMELLING SURFACE



REFERENCE 12



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SLF BLAST ROOMS

Explore the exceptional capabilities of SLF blasting systems for your projects. Renowned in the industry for their precision and reliability, SLF systems are engineered to deliver unparalleled performance in surface preparation and finishing.

Whether managing large-scale industrial projects or intricate components, SLF's advanced technology guarantees superior results with every application. Our systems are meticulously crafted to ensure consistent, high-quality outcomes, minimising downtime and maximising productivity. With SLF, rest assured that your blasting projects will be executed efficiently and up to the highest standards. Witness the transformative impact of SLF on your operations, ensuring immaculate, refined surfaces.

Check out our reference projects below to see the proven effectiveness of SLF systems across diverse applications and industries.

LEARN MORE HERE ►





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SLF MEDIA BLAST ROBOT - RECO-BLASTER

Our "ReCo-Blaster®" represents advanced automated blasting technology, featuring an 8-axis design controlled by electrical servo drives. With precise movement capabilities along the blast room, including rack and pinion drive and vertical telescopic axis, it ensures optimal mobility and accuracy.

Sealed bearings and polyurethane-coated arms protect against wear and blast media impact. Offline programming via CAD data and Robot Expert software enhances efficiency, while a handheld control panel enables real-time adjustments.

Check reference projects below for proven success in various applications.

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SLF COMBINED BLASTING AND PAINTING SYSTEMS

SLF Combined Blasting and Painting Systems provide a seamless solution for surface treatment, integrating blasting and painting processes into one efficient system. Engineered with advanced technology, our systems ensure precision and productivity, delivering consistent high-quality finishes.

Tailored to meet specific application needs, our customisable features include conveyor techniques, lifting platforms, and application techniques.

Check below for reference projects highlighting the versatility and reliability of SLF Combined Blasting and Painting Systems across various industries and applications.

LEARN MORE HERE ►





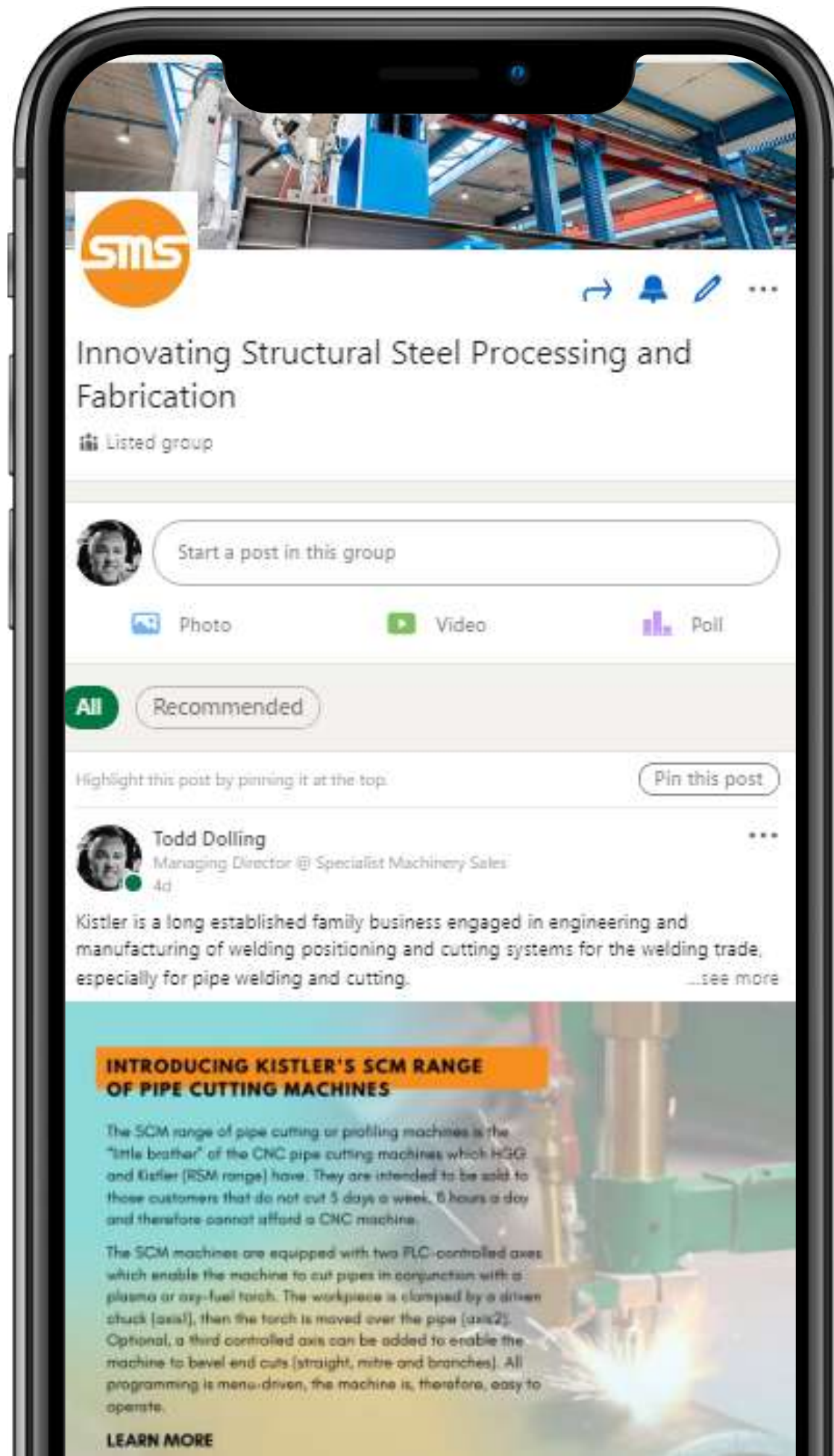
LOOKING TO BUY PRE-LOVED MACHINERY?

Specialist Machinery Sales offer second-hand or used structural steel processing machinery from Kaltenbach, Gietart, Haeusler, SLF and more.

Generally, the machines that SMS has access to are from trading for new machines offered from the machine tool builders to clients of SMS in Australia and New Zealand. Most machines are between 5 and 15 years of age with full-service history available. Some machines can be inspected under power or in their shipping packing ready for immediate delivery to Australasia.



LEARN MORE HERE ►

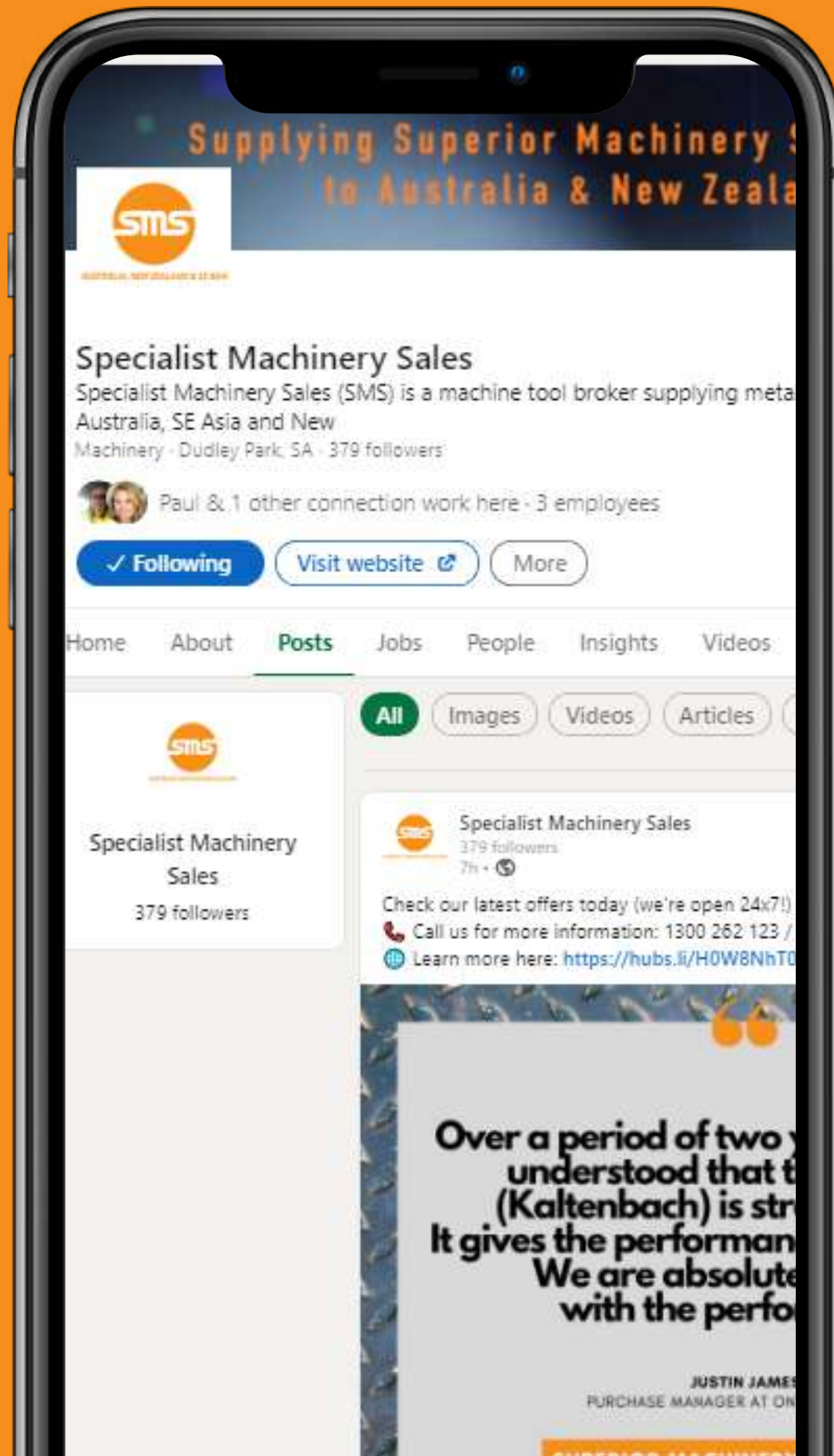


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In this group, we bring in thought leadership content, topics, trends and challenges within the steel industry and steel processing automation. We encourage everyone to share your business challenges and solutions that you have encountered and how steel processing automation had helped achieved your business objectives.

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