

# EUROMECC

## EAF slag door cleaning car



PRODUCTIVITY

SAFETY

SUSTAINABILITY



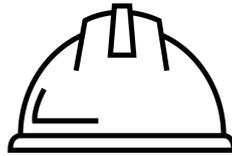
[www.euromectech.it](http://www.euromectech.it)

EUROMECC is a leading company in the field of technological packages for the steelmaking industry.

The technological packages are linked to EUROMECC strategy to create value for its customers in term of:



Improving the  
**PRODUCTIVITY**



Improving the  
**SAFETY**



Improving the  
**SUSTAINABILITY**

Together with the mechanical equipment EUROMECC is capable to provide and properly manage the automatic control in term of hardware and software.

A solid and reliable design is clearly linked to EUROMECC reputation following 30 years of history.

**EUROMECC, a better everyday life for industrial people.**

# Euromec's services



01 CLIENT REQUEST



02 EVALUATION



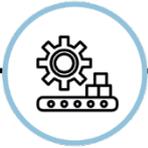
03 TECHNICAL /  
COMMERCIAL  
PROPOSAL



05 DESIGN



04 ORDER



06 MANUFACTURING



07 TESTING



08 INSTALLATION



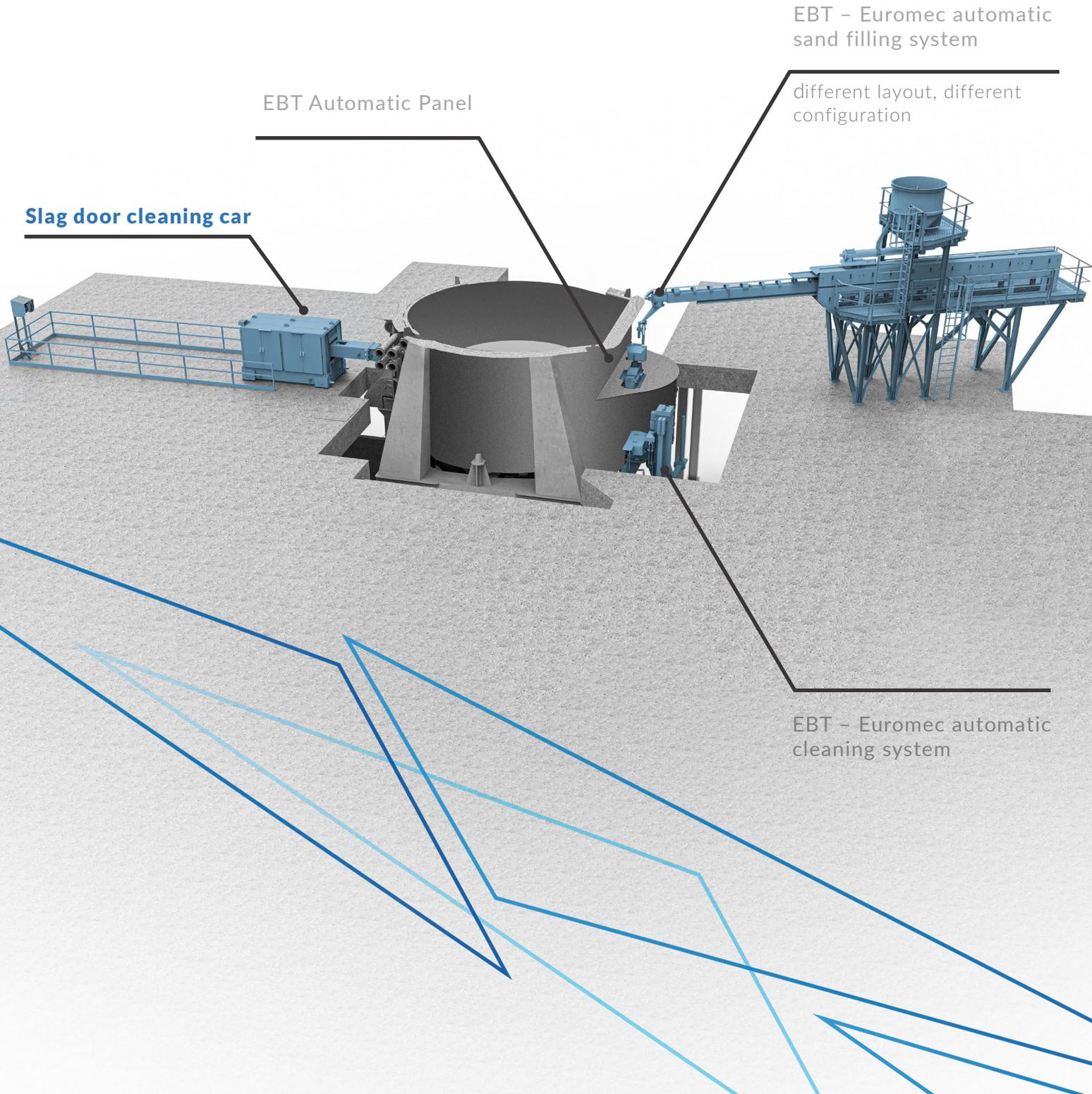
10 SPARE PARTS



09 SERVICE

# Technological packages suitable to remove human operation around the EAF

Focus on the “Slag door cleaning car” solution





# Euromec - Slag door cleaning car

Electric Arc Furnace (EAF) slag door has to be clean in order to perform a proper de-slagging operation.

The required traditional operation to clean up the EAF slag door was dangerous, subject to the ability of the operator and time consuming.

With the Euromec slag door cleaning car the operation is semi-automatic and requires planned routines. Hence the production lost due to this issue become negligible.

The Euromec slag door cleaning car is a solid solution arranged in front of the EAF slag door and able to move from a protected stand-by position (parking mode) to the working position (in front of EAF slag door).

An heavy duty arm operated by a properly designed set of hydraulic cylinders is able to efficiently clean the slag door by means of translating and tilting movements.

The system is equipped with a dedicated and independent hydraulic power unit.

Possibility to add an internal EAF shell video inspection system to elevate the safety standards.

The supply includes the complete system automation in term of hardware and software.

## INTERNAL EAF SHELL VIDEO INSPECTION SYSTEM - OPTIONAL



1. A dedicated arm hosted in the slag door cleaning car enters the EAF slag door thanks to a translation movement.
2. A set of properly protected video-cameras are located at the head of that Arm.
3. This set of video-cameras, protected head and arm is designed for EAF shell internal video inspection in order to detect water cooled panels, lances and refractory failures.

## FEATURES



**HEAVY DUTY DESIGN**



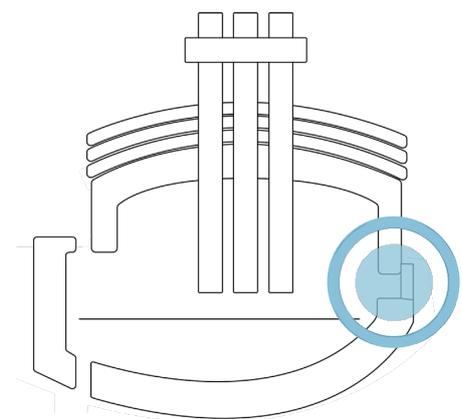
**10 TON CLEANING FORCE**



**POSSIBILITY TO ADD ON AN INTERNAL EAF SHELL VIDEO INSPECTION SYSTEM**



**SHORT RETURN ON INVESTMENT**



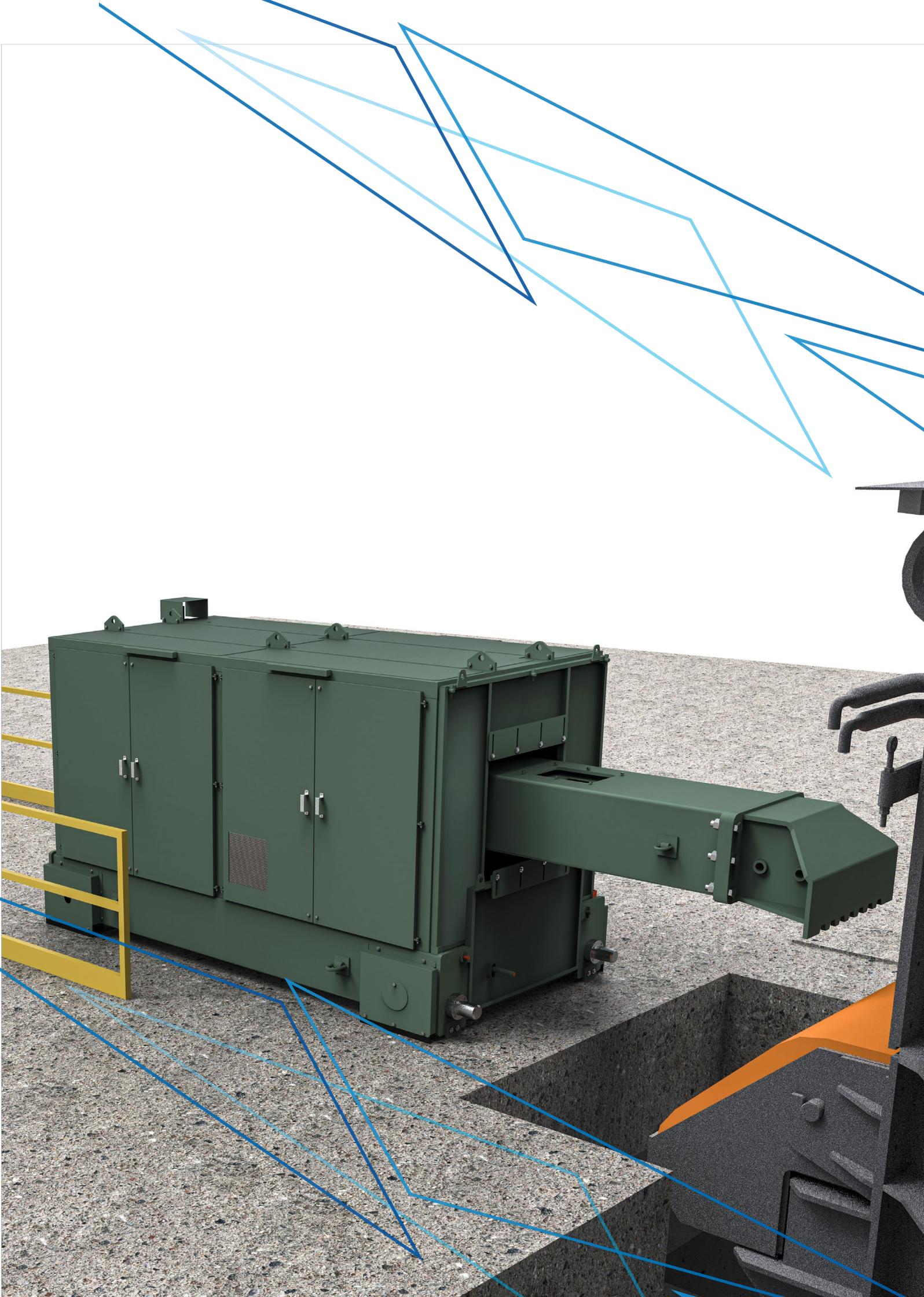
PRODUCTIVITY



SAFETY



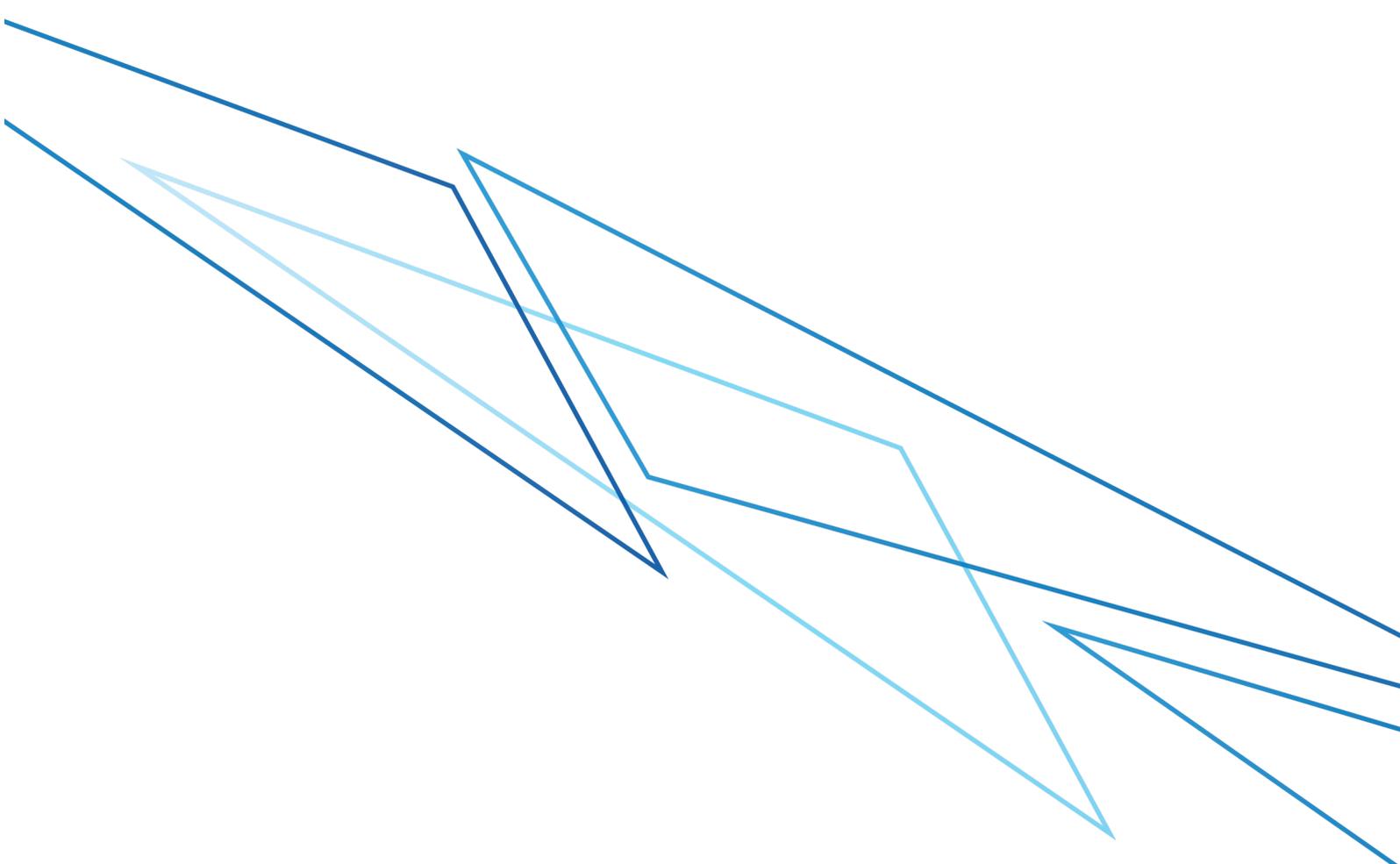
SUSTAINABILITY



# Main references:

<b>Country</b>	<b>City</b>	<b>Job number</b>	<b>Technological Package</b>	<b>Year</b>
Italy	Brescia	28/0302	EBT automatic sand filling system	2008
Italy	Vicenza	29/0704	EBT automatic sand filling system	2008
Italy	Vicenza	29/0704	EBT automatic panel	2011
Italy	Udine	12/0514	EBT automatic sand filling system	2012
Germany	Hennigsdorf	11/0928	EBT automatic cleaning system	2012
Germany	Brandenburg	11/1205	EBT automatic sand filling system	2012
Italy	Odolo	13/0319	EBT automatic sand filling system	2013
Italy	Lonato	13/1032	EBT automatic sand filling system	2013
China	Zysco	13/1206	EBT automatic cleaning system	2013
China	Zysco	13/1207	EBT automatic sand filling system	2013
Italy	Odolo	13/1033	EBT automatic cleaning system	2014
Belgium	Thy – Marcinelle	12/0318	EBT automatic cleaning system	2017
Belgium	Thy – Marcinelle	13/1005	EBT automatic sand filling system	2017
Belgium	Thy – Marcinelle	13/1005	EBT automatic panel	2017
Germany	Riesa	17/1113	EBT automatic cleaning system	2018
Italy	Calvisano	16/0903	EBT automatic cleaning system	2018
China	Shandong Yongfeng 1	18/0324	EBT automatic cleaning system	2018
China	Shandong Yongfeng 1	18/0324	EBT automatic sand filling system	2018
China	Shandong Yongfeng 2	18/0324	EBT automatic cleaning system	2018
China	Shandong Yongfeng 2	18/0324	EBT automatic sand filling system	2018
Mexico	Puebla	18/0522	EBT automatic sand filling system	2019
Italy	Cremona 1	19/0602	EBT automatic cleaning system	2019
Italy	Vicenza	18/1110	EBT automatic cleaning system	2019
China	Desheng	19/0816	EBT automatic sand filling system	2019
China	Guixin 1	19/0928	EBT automatic sand filling system	2019
China	Guixin 2	19/0928	EBT automatic sand filling system	2019
USA	Pennsylvania	20/0304	EBT automatic cleaning system	2020
USA	Pennsylvania	20/0304	EBT automatic sand filling system	2020

Japan	Confidential	20/0227	EBT automatic sand filling system	2020
Norway	Mo I Rana	20/028	EBT automatic cleaning system	2020
China	HBIS 1	20/177	EBT automatic cleaning system	2021
China	HBIS 2	20/177	EBT automatic cleaning system	2021
China	HBIS 1	20/176	EBT automatic sand filling system	2021
China	HBIS 2	20/176	EBT automatic sand filling system	2021
<b>China</b>	<b>HBIS 1</b>	<b>20/178</b>	<b>Slag door cleaning car</b>	<b>2021</b>
<b>China</b>	<b>HBIS 2</b>	<b>20/178</b>	<b>Slag door cleaning car</b>	<b>2021</b>
China	Nanfang Donghai 1	20/155	EBT automatic cleaning system	2021
China	Nanfang Donghai 2	20/155	EBT automatic cleaning system	2021
China	Nanfang Donghai 1	20/156	EBT automatic sand filling system	2021
China	Nanfang Donghai 2	20/156	EBT automatic sand filling system	2021
<b>China</b>	<b>Nanfang Donghai 1</b>	<b>20/081</b>	<b>Slag door cleaning car</b>	<b>2021</b>
<b>China</b>	<b>Nanfang Donghai 1</b>	<b>20/081</b>	<b>Slag door cleaning car</b>	<b>2021</b>
Italy	Lonato (Spare)	14/1006	EBT automatic cleaning system	2021
Germany	Brandenburg	12/0125	EBT automatic cleaning system	2021
Italy	Cremona 2	21/033	EBT automatic cleaning system	2022
Italy	Vicenza (Spare)	19/0602	EBT automatic cleaning system	2022
Argentina	Siderca	19/0823	EBT automatic cleaning system	2023
Argentina	Siderca	19/0823	EBT automatic sand filling system	2023



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