



TECHNICAL INFORMATION

The equipment described in this document is composed by a suspension structure from which it is anchored a suspension ring which allows the rotation of a suspended platform.

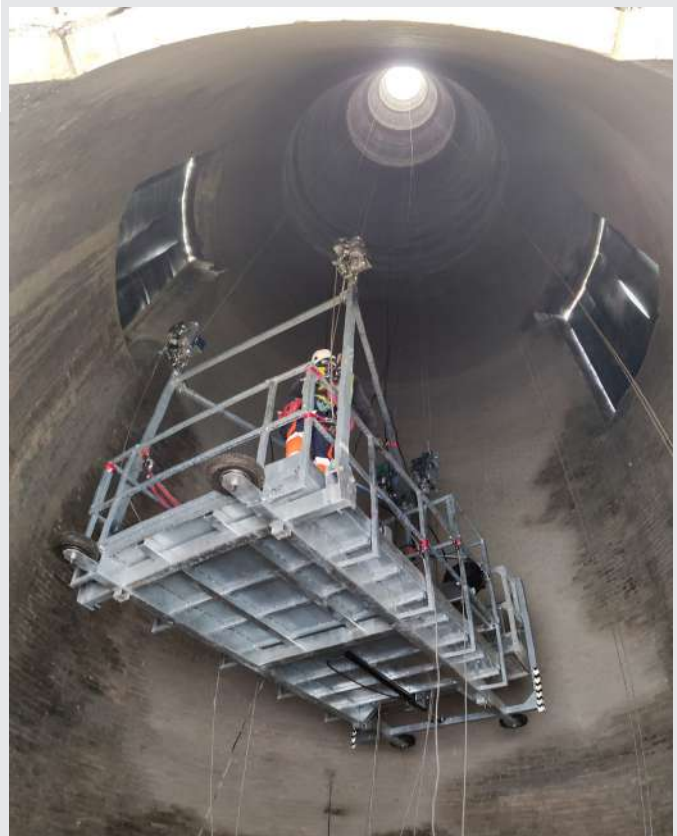
This machine is destined to be used temporary for inspection and maintenance works (persons elevation and tools included) inside cylindrical facilities like paper mills digesters, deposits, blast furnaces, wells, tanks, reactors, chimneys, etc.

Detachable design into small pieces facilitating and optimizing transport and storage.

The assembly of the suspension structure with screws is very fast. Furthermore the suspension structure is anchored to the flanges of the digester.

The suspension structure is made of galvanized steel, which provides resistance to weathering. The suspended platform is made of aluminum guaranteeing lightness, and easing the assembly and storage.

The pieces are small in size and allow access through man-holes or places of difficult access Ø 580 mm



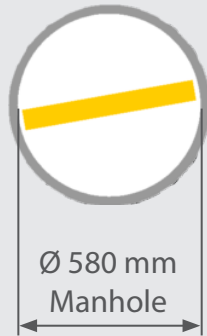
ADVANTAGES

- Access to the entire inner working surface, telescopic system for increasing diameters.
- Electrical horizontal and vertical movements.
- Adaptable to multiple types and sizes.
- Unlimited height
- Compatible with Husqvarna DXR140 and Brokk 110 Robot (others on request).
- Dismountable equipment for access to the interior of installations.
- Possibility of accessing the platform from the upper level to avoid falling objects during demolition.

ROTATING PLATFORM FOR DIGESTER OF PAPER FACTORY

SAFETY DEVICES

- Overload control device.
- Work and safety wire ropes.
- Safety coefficient of the wire ropes >8.
- Handrails 1 m height.
- Perimetral baseboard.
- Anti slipping floor.
- EC mark.
- Certified for lifting people.



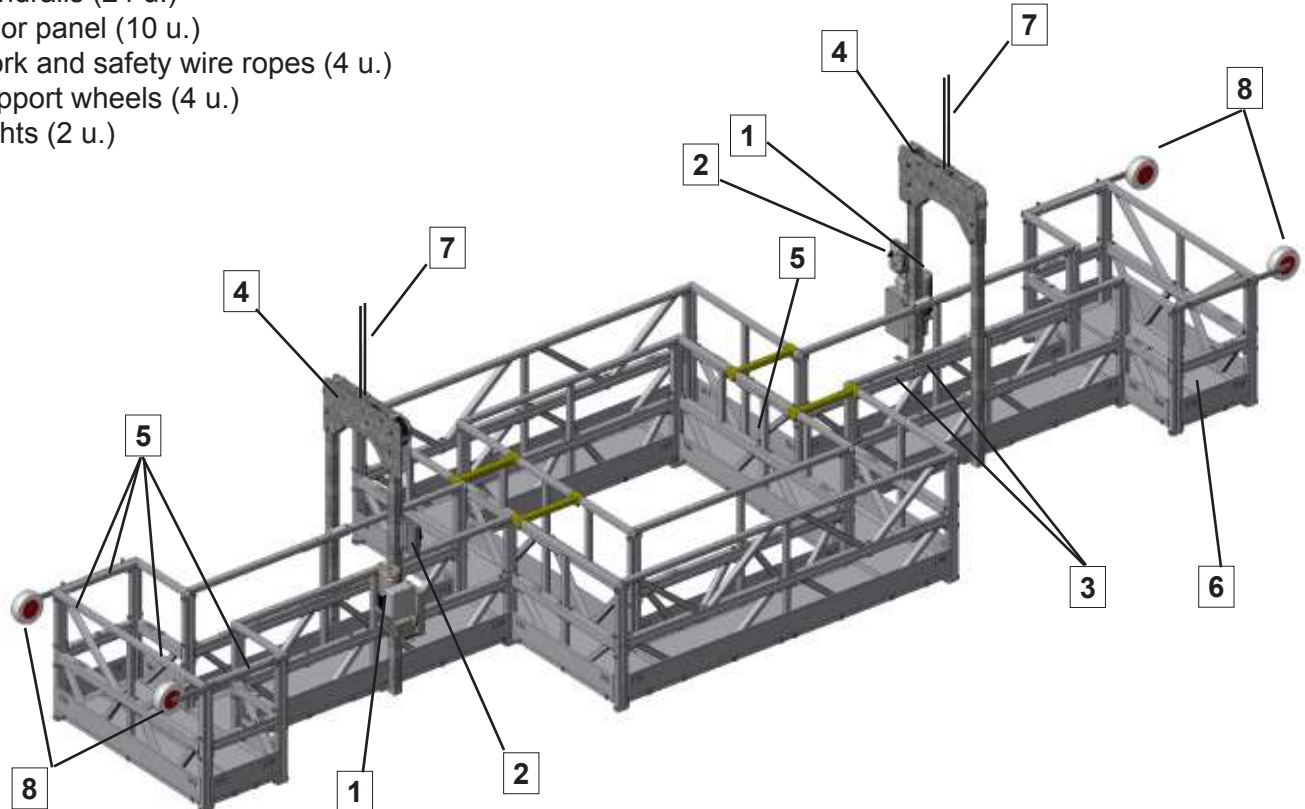
TECHNICAL CHARACTERISTICS

Platform length	10 m
Hoist weight load capacity	1000 kg
Platform weight load capacity	600 kg
Number of people	4
Max working height	Unlimited
Range of rotation	360°
Platform dead weight	980 kg
Vertical translation	Motorized
Angular translation	Motorized

The main components are:

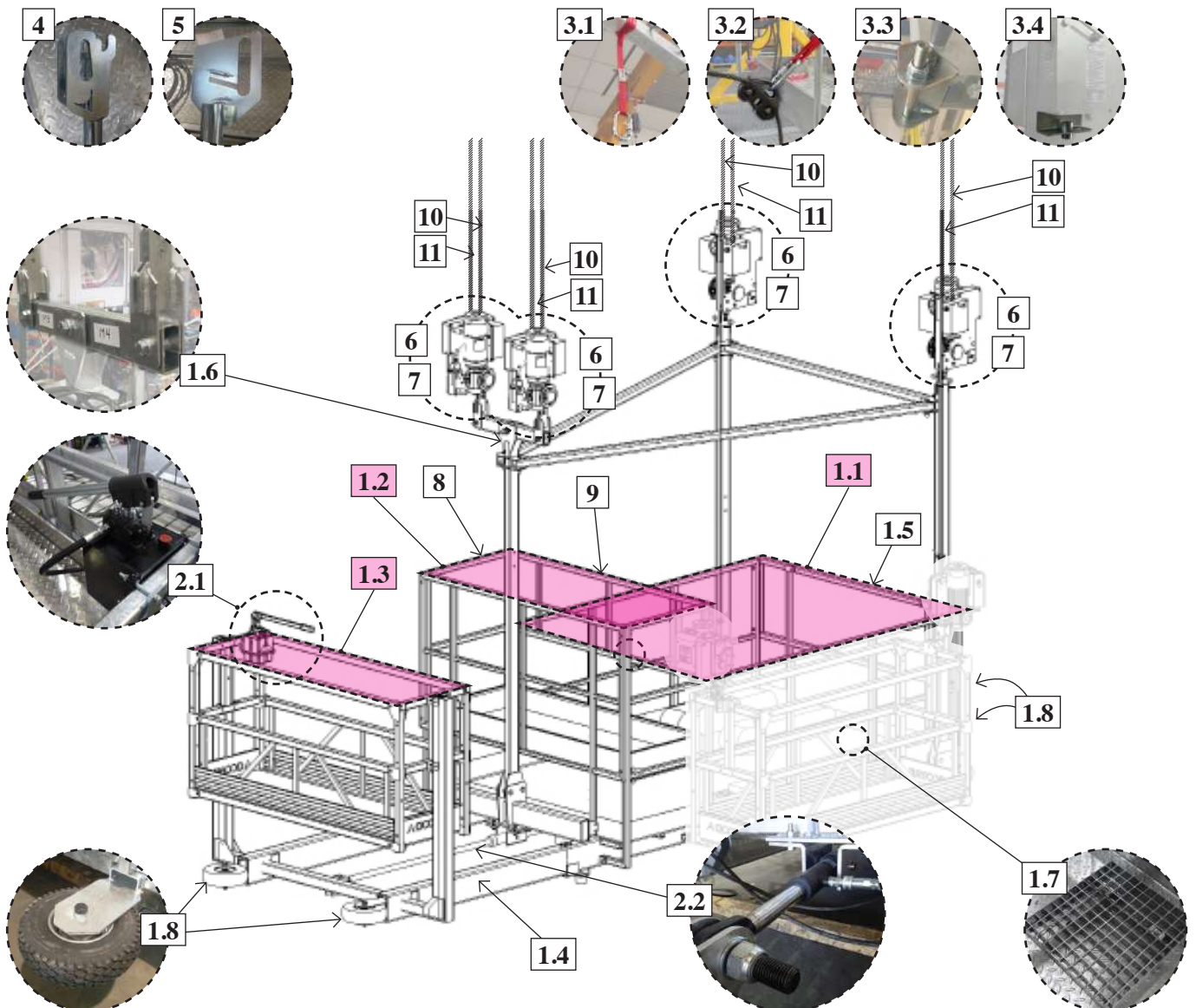
Aluminium suspended platform, composed by:

- 1-Tirak X1030P powered hoist. (2 u.)
- 2-Securichute 1000 fall arrest device (2 u.)
- 3-Electric cabinet. (2 u.)
- 4-Hoist support. (2 u.)
- 5-Handrails (24 u.)
- 6-Floor panel (10 u.)
- 7-Work and safety wire ropes (4 u.)
- 8-Support wheels (4 u.)
- 9-Lights (2 u.)



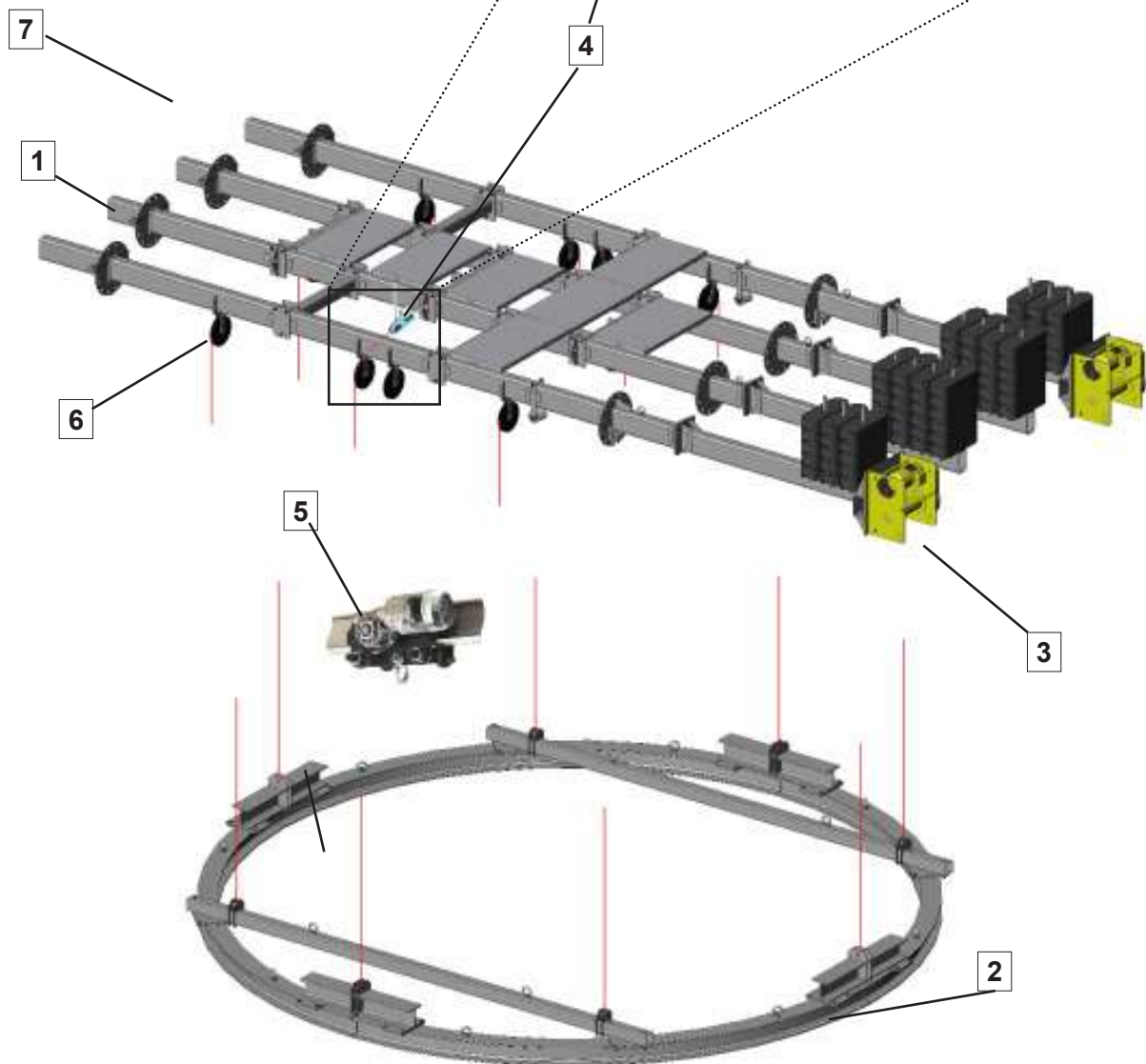
Main suspended platform, consisting of

- 1-Main platform structure (1 pc.),
 - 1.1-Robot zone
 - 1.2-Control area
 - 1.3-Manual working area
 - 1.4-Telescopic system (1 pc.), 1.5-Robot access door (1 pc.),
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 - 1.6-Room lifter couple (1 pc.), 1.7-Robot supports (1 pc.),
 - 1.7-Robot supports (4 pcs.),
 - 1.8-Support wheels (4 pcs.),
- 2-Hydraulic group / piston (1 pc.),
- 3-Cable deflection tools (See point 6.5.3),
 - 3.1-Hose sling for trolley hose (2 pcs.),
 - 3.2-Diverter for cable Ø10,2mm (12 pcs.),
 - 3.3-Diverter for e.lift1000 cable outlet (4 pcs.),
 - 3.4-Securichute1000 cable outlet diverter (4 pcs.),
- 4-Emergency lowering tool (2 pcs.),
- 5-Fall arrest resetting device (1 pc.),
- 6-Electric lifting device e.lift1000 (4 pcs.),
- 7-Safety device securichute1000 (4 pcs.),
- 8-Main electrical cabinet (1 pc.),
- 9-Trolley electrical cabinet (1 pc.),
- 10-Work cable Ø10,2mm (4 pcs.),
- 11-Safety cable Ø10,2mm (4 pcs.).



Suspension structure, composed by:

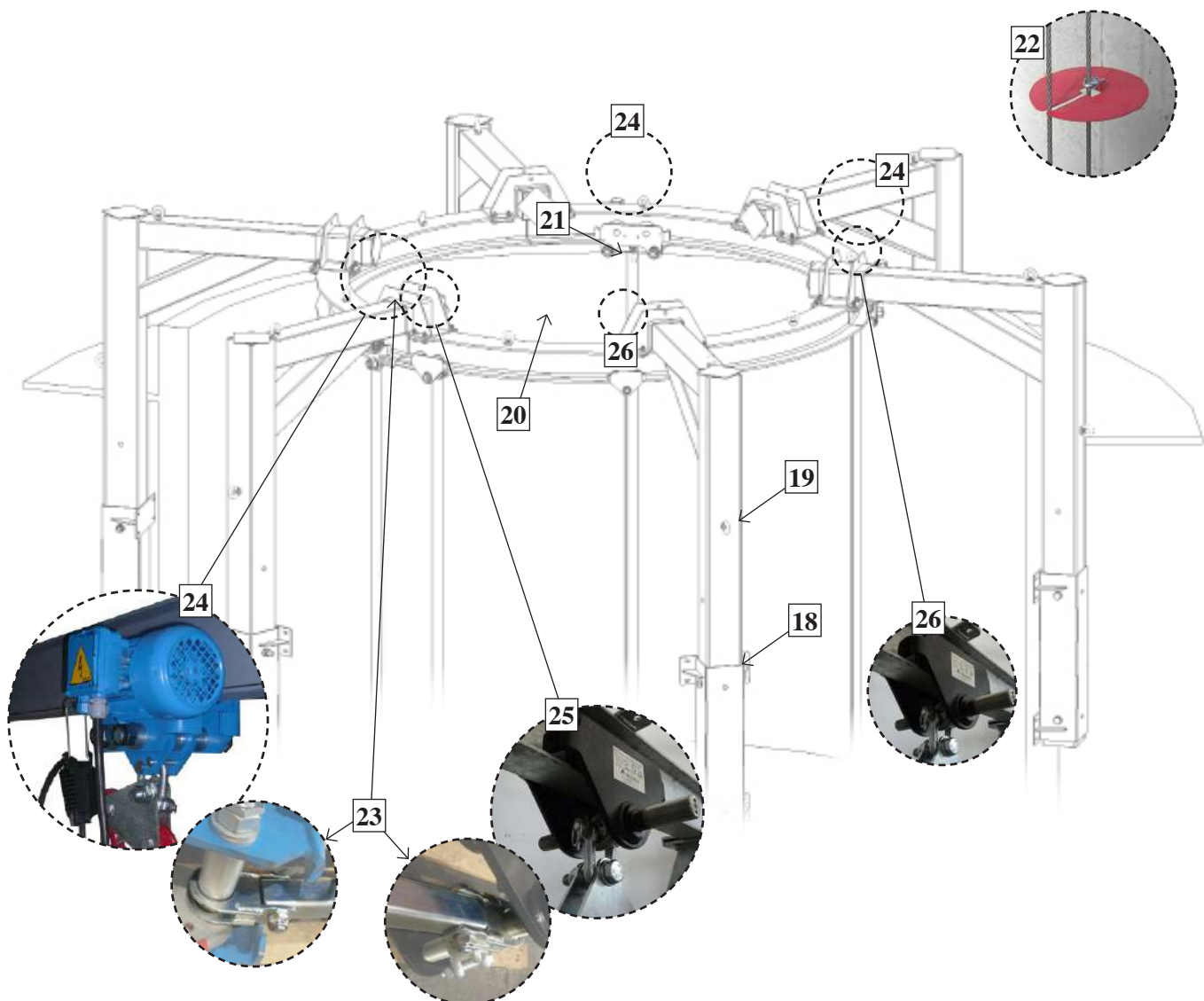
- 1-Suspension structure. (1 u.)
- 2-Suspension ring. (1 u.)
- 3-Winch. (2 u.)
- 4-Traction device Yaletrac Y16 (8 u.)
- 5-Motorized trolleys (2 u.)
- 6-Pulley (10 u.)
- 7-Wire rope Ø11.5 (8 u.)
- 8-Counterweight (78 u.)



Suspension, the robot chimney platform is suspended from a suspension structure that complies with the specifications described in the UNE-EN1808 standard and the European Directive 2006/42/CE. Composed of:

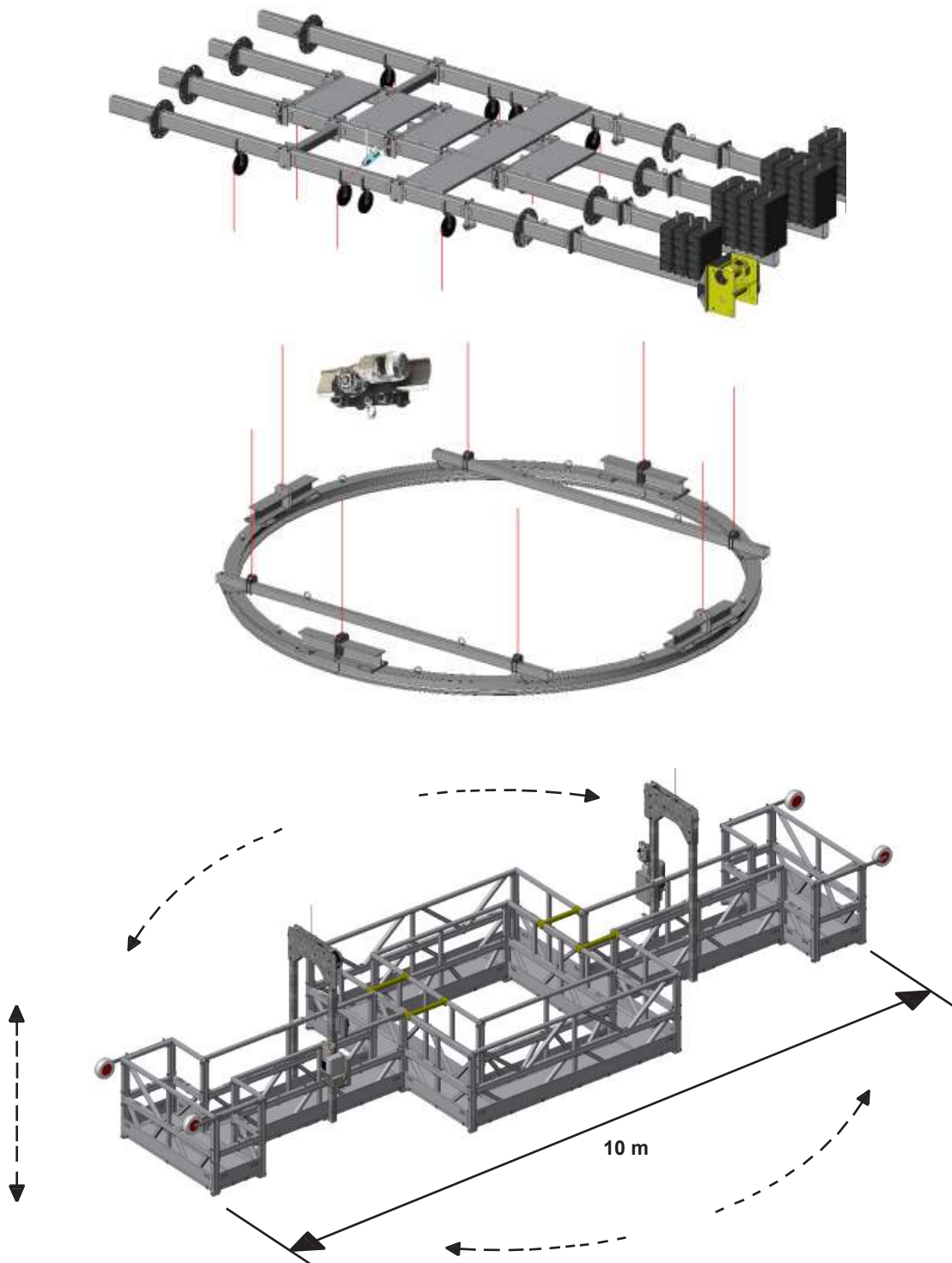
18-Anchorage sleeve (6 pcs.),
 19-Suspension arm (6 pcs.),
 20-Rail beam (3 pcs.),
 21-Beam anchor (6 pcs.), 21-Beam anchor (6 pcs.),

23-Trolley connecting arm (1 pc.),
 24-Electric trolley 1000kg (3 pcs.),
 25-Push trolley 1000kg (1 pc.),
 26-Push trolley 500kg (2 pcs.).



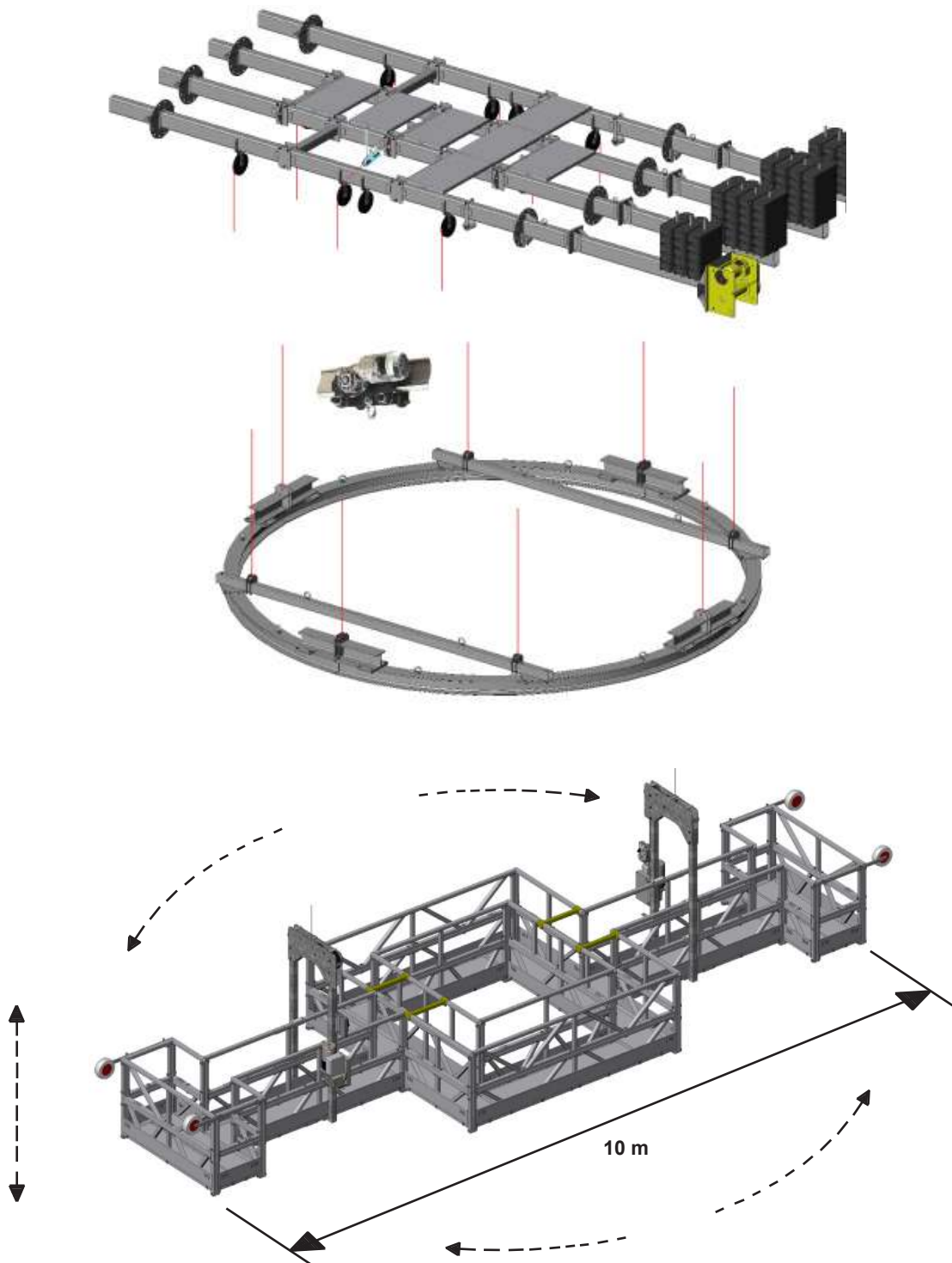
OVERALL DIMENSIONS AND CONFIGURATIONS

The design of this machine allows to change its height position and turn the platform itself so that it can access the desired sector at all times.



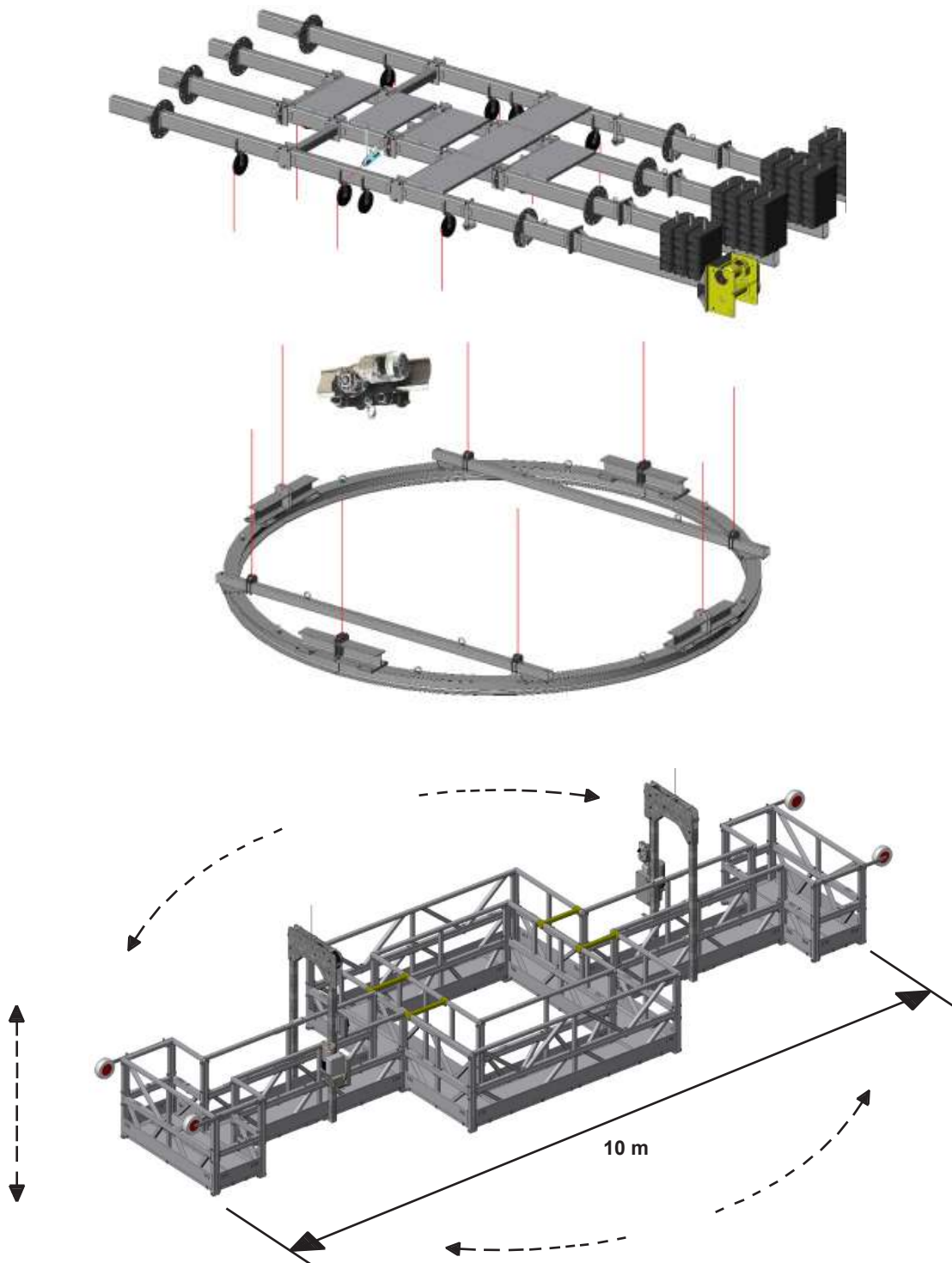
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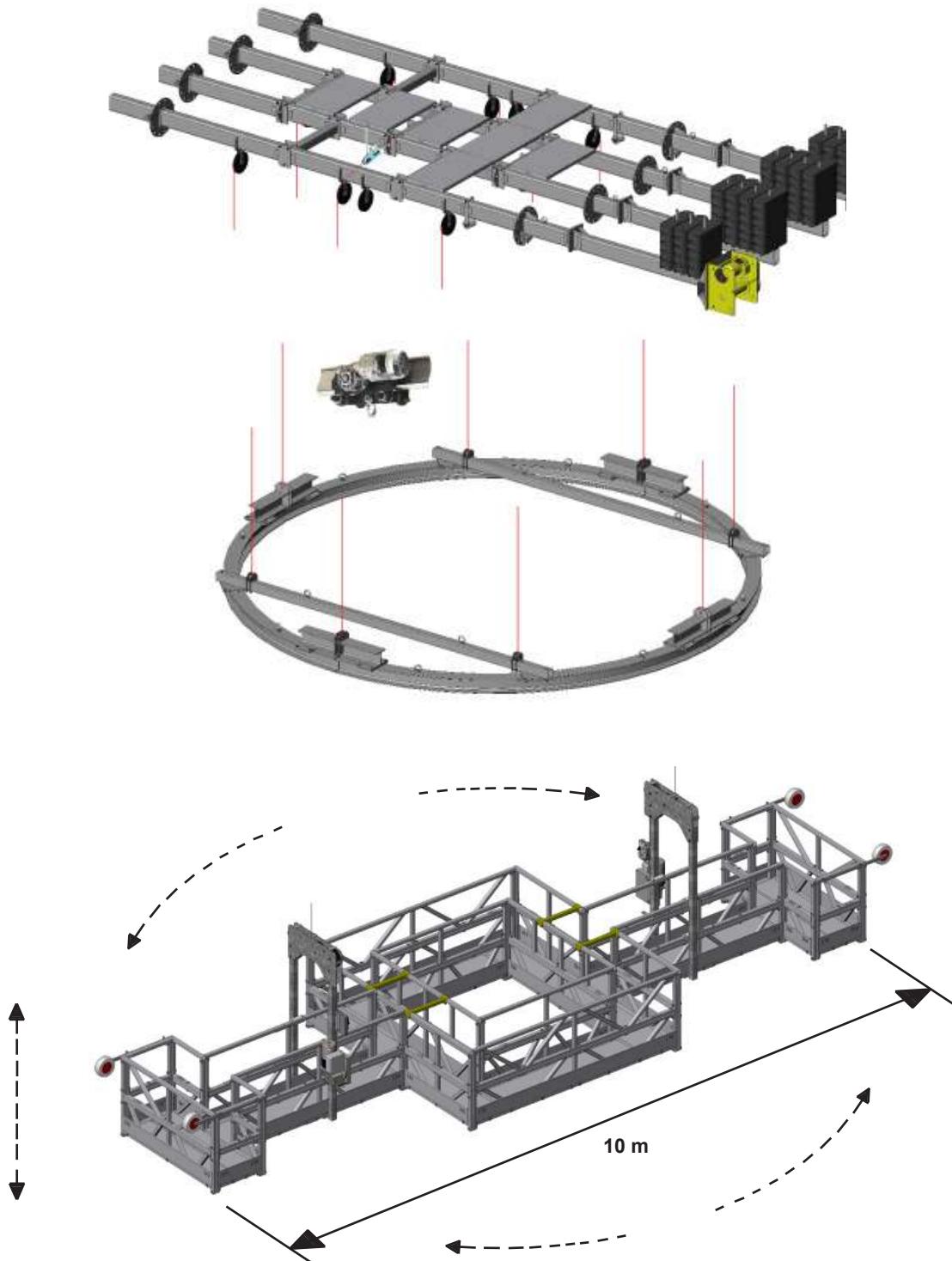
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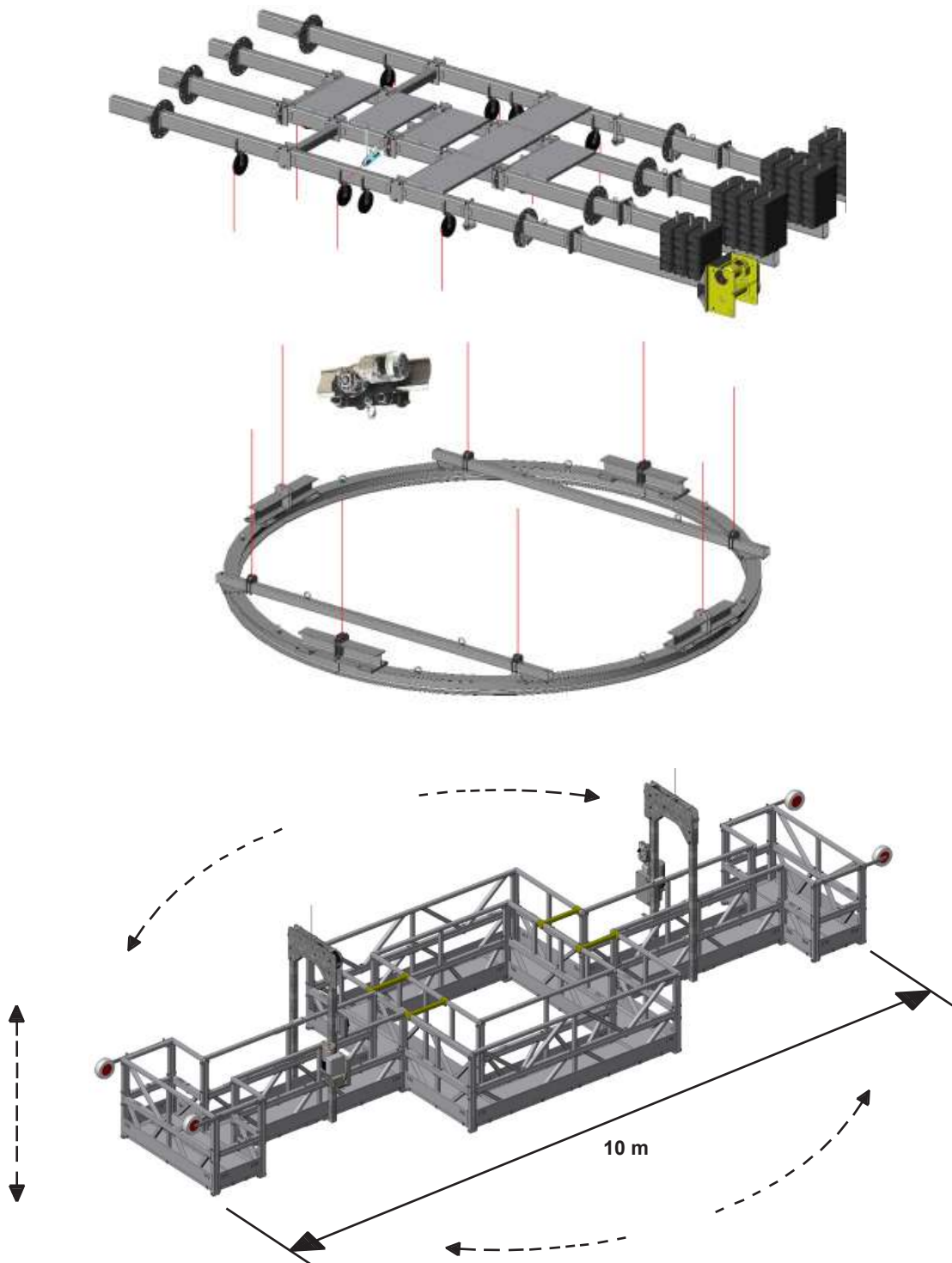
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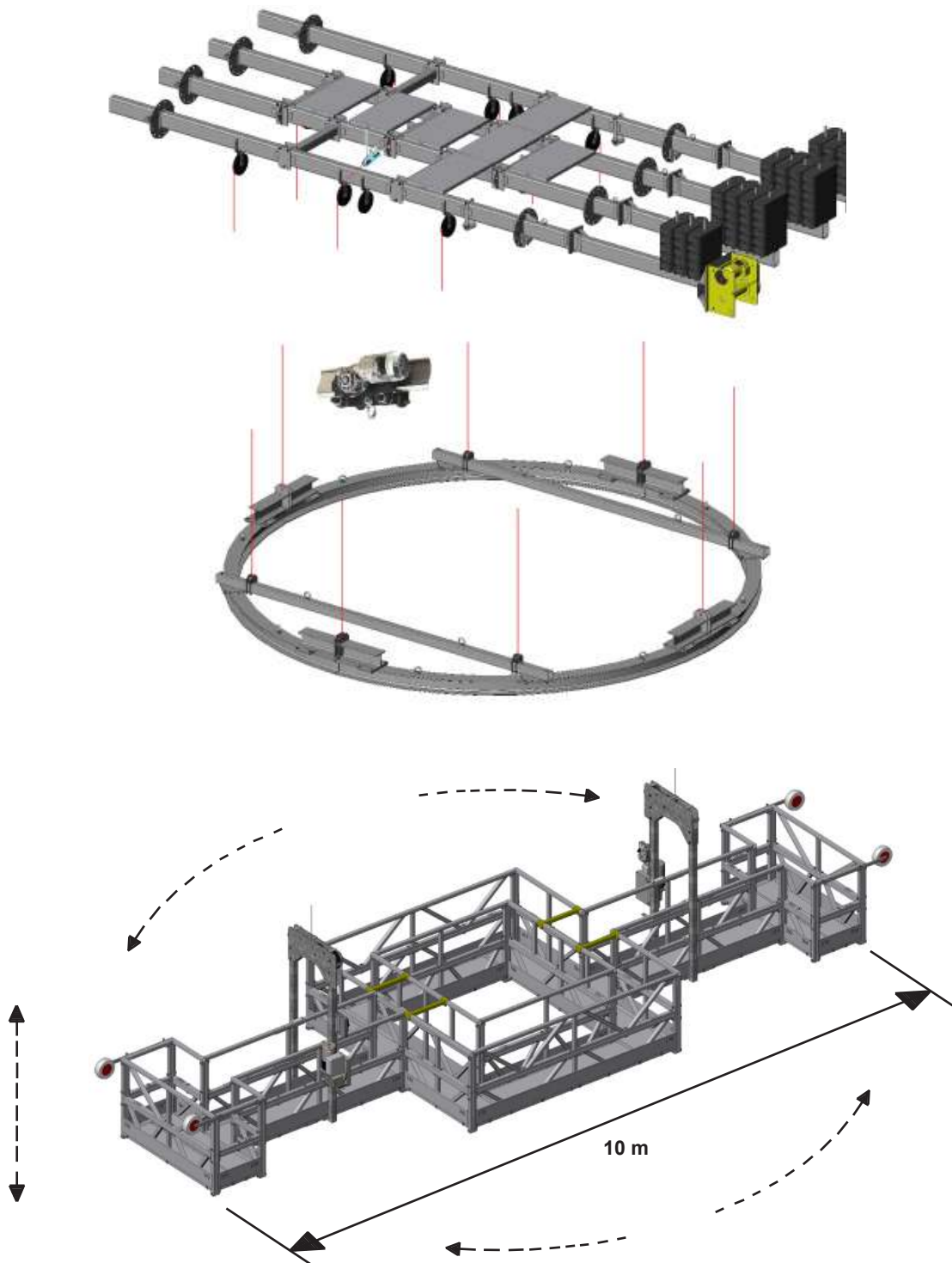
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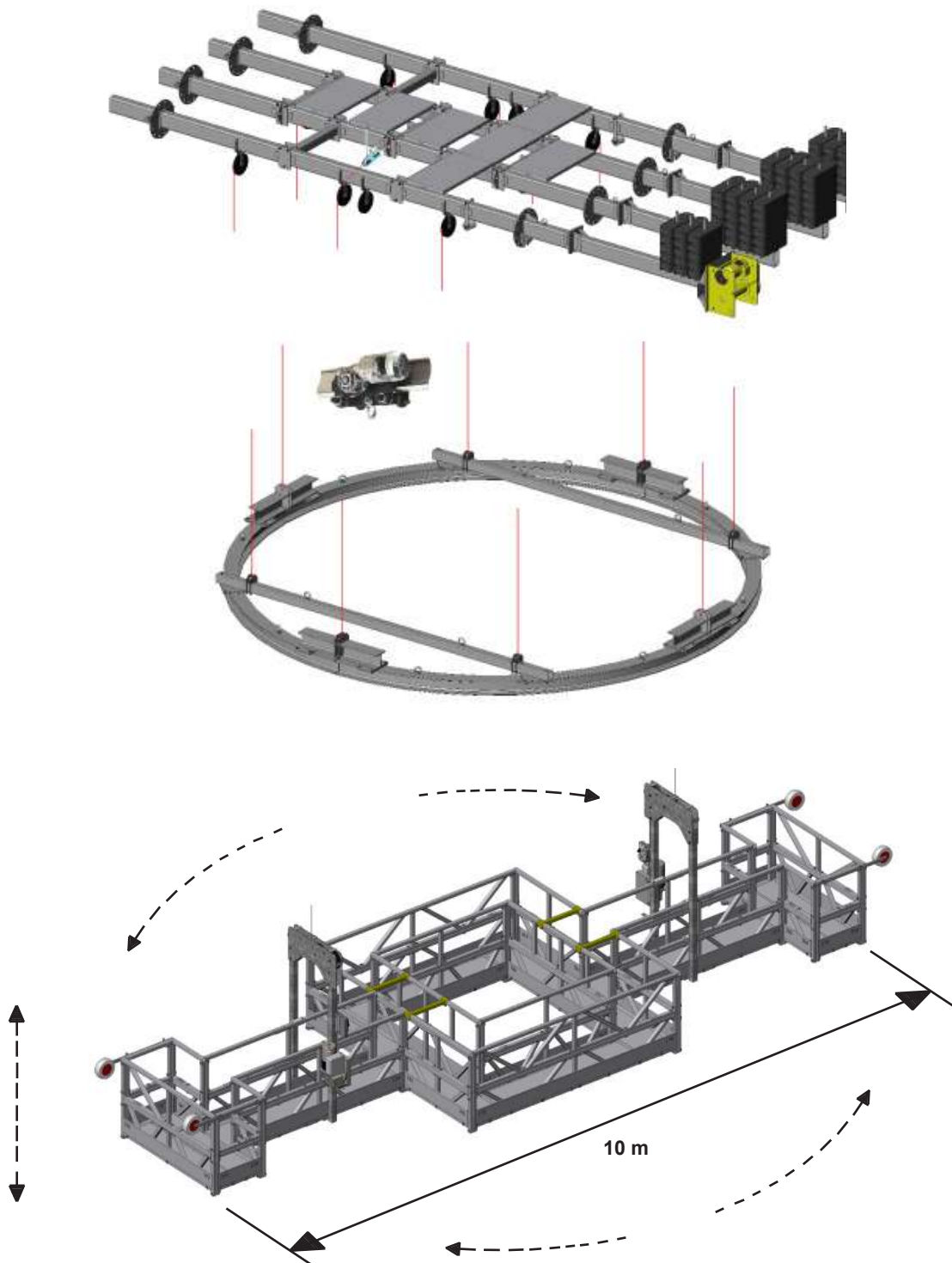
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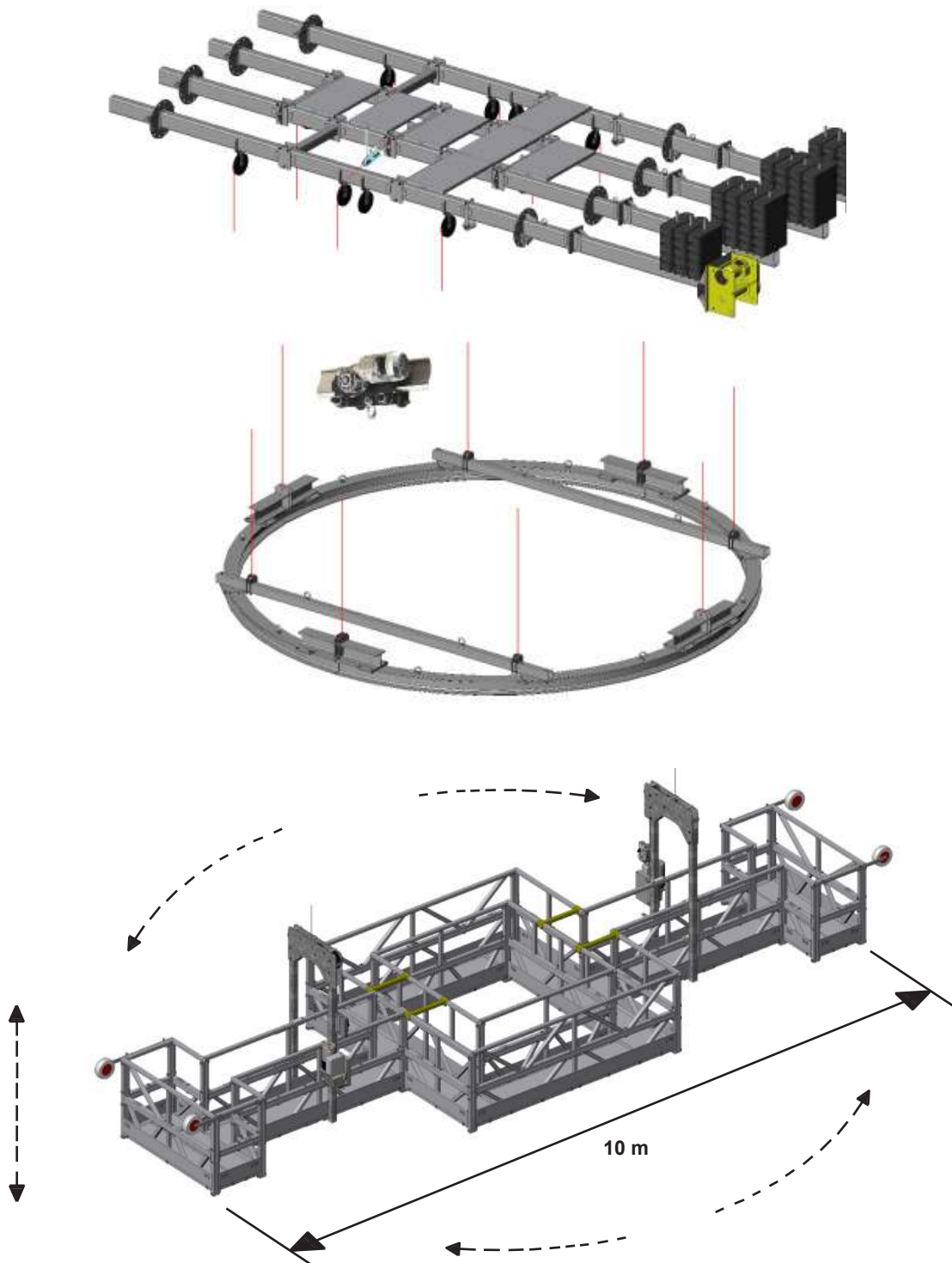
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