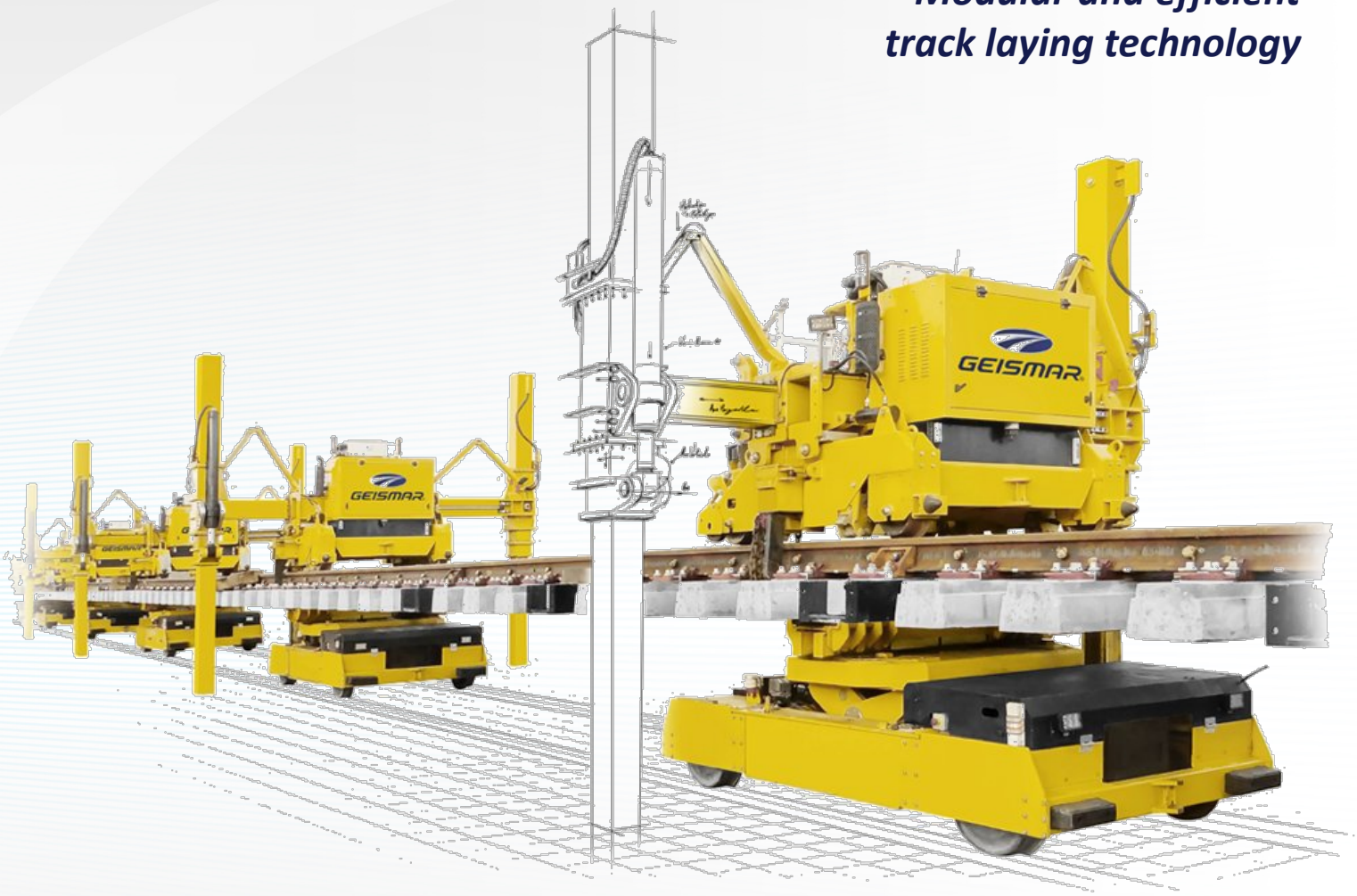
TURNOUT & TRACK LAYING SYSTEM

PEM-LEM

Modular and efficient track laying technology



The most used method worldwide for track laying

Flexible installation

Safe remote-controlled solution

GEISMAR®

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Your benefits

- Ease work preparation for diverse environment of situations (tunnels, bridges)
- Efficient organization by slewing tracks & turnouts or by transporting them on motorized transportation trolleys
- Enables the minimization of on-track time, increasing track availability
- Modular configuration for any track & turnout lengths and types
- Strong reduction of on-site staff

Specifications

Number of sets (PEM + LEM)	From 2 to 16
Mass track panel or turnout	Up to 240 t
Track / turnout length	From 6 to 160 m From 20 to 525 ft
Displacement speed	6 km/h (3,7 mph)
Ergonomics	Remote-controlled

Lifting capacity	PEM	20 t
	LEM	20 t
Lifting stroke	PEM	2,950 mm (116 in.)
	LEM	350 mm (14 in.)
Slewing stroke	PEM	1,375 mm (54 in.)
	LEM	± 400 mm (15,7 in.)
Maximum feet opening	4,973 mm (196 in.)	

Composition of sets

- Gantries for lifting track and turnouts (PEM)
- Trolleys to transport track and turnouts (LEM)
- Temporary track with ramp (VPR)

PEM

LEM

Remote control

Longitudinal laying with temporary track (VPR)

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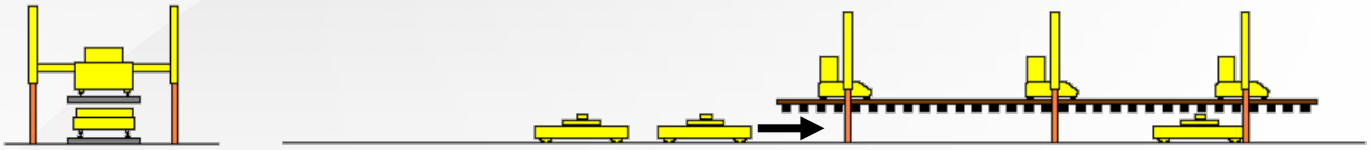
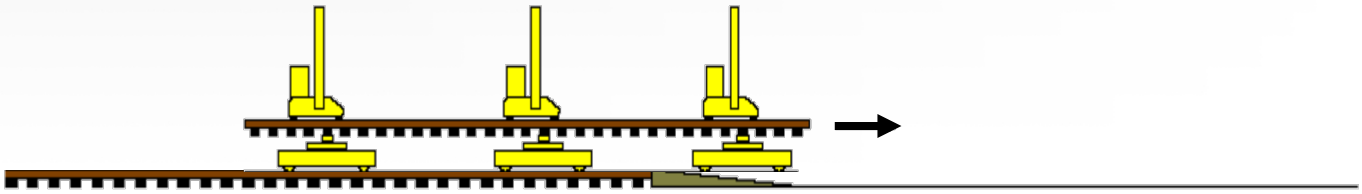
Track laying methodology

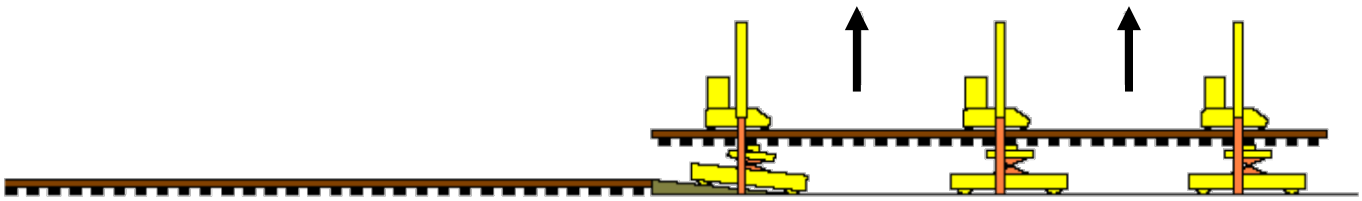
1. Lifting of tracks & turnouts by gantries and positioning of lorries under the load



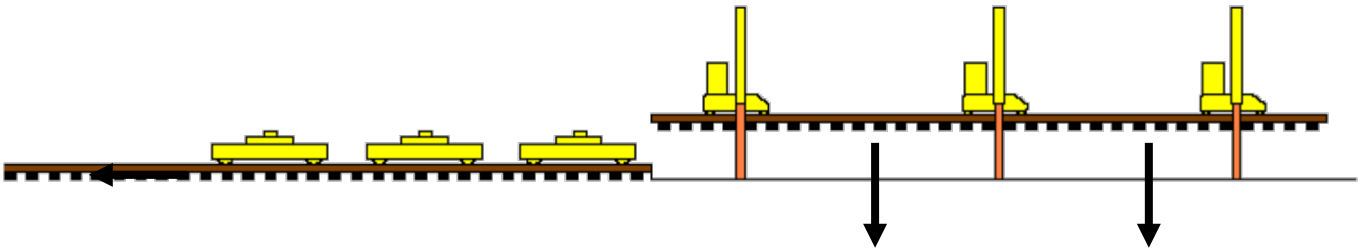
2. Transporting to laying area and preparation to use the ramp



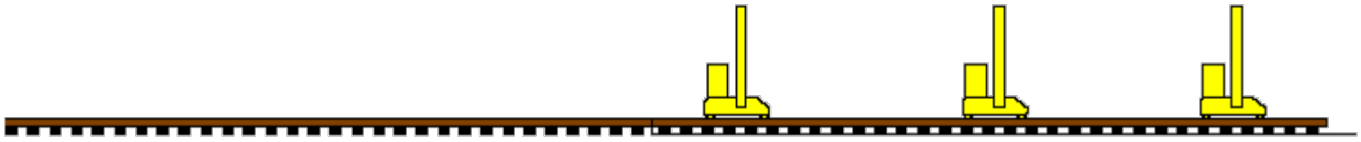
3. Tracks & turnouts on place and lifting the load with gantries



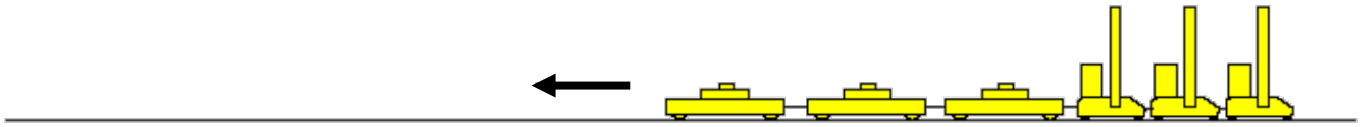
4. Lorries evacuation and lay down the load on area



5. Adjusting the tracks & turnouts (lateral and longitudinal slewing)



6. Evacuation of gantries and lorries



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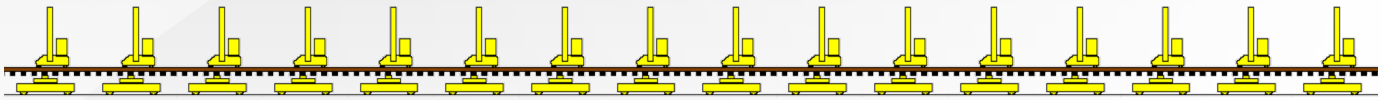
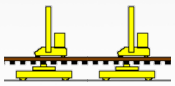
Modularity of the solution with one operator and one remote control

- Maximum laying length: 160 m (525 ft)



- Minimum laying length: 6 m (20 ft)



Work site typical efficiency

- Laying 160 m (525 ft) turnout in approximately 2 hours (implementation and evacuation of machines)

Other applications

- Transport of concrete mixers
- Transport of tippers
- Transport of poles
- Transport of metallic bridges

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