

Construction & Renewal of Slab Track

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Rhombberg Sersa Rail Group

Slab Track Forum Napoli

6 November 2025



Wanted: 
proven & reliable
solutions.

and: **competent**
implementation
partners.

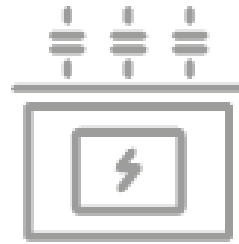


Rhomberg Sersa Rail Group

Full-service Provider for Railway Technology



**Track
Infrastructure**



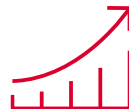
**Electrotechnical
Equipment**



**Products &
Services**



3 Continents



800 M€



3100



**RHOMBERG
SERSA**

RAIL
GROUP

25 years continuous
**slab track
construction**

SLAB TRACK

est. 1960s





POMPEI

79 AD

OPERATION
SLAB TRACK 



Slab Track

Wherever necessary & possible.



Bruggwald Tunnel, Switzerland



Ballasted Track

Everywhere else.



Galleria Vernazza, Liguria

PRECISION



RHOMBERG
SERSA // RAIL
GROUP



SAFETY



BRAINS



A nighttime construction scene at a railway or industrial site. Several workers in orange high-visibility suits and hard hats are visible. A large piece of machinery, possibly a crane or drilling rig, is in the center. The scene is illuminated by bright work lights. The text "MANY BRAINS" is overlaid on the left side.

MANY
BRAINS





SELECTION OF PROJECT HIGHLIGHTS

SAFETY



PRECISION



**MANY
BRAINS**



GERMANY: Wendlingen – Ulm / Stuttgart 21



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AUSTRIA: Koralm Tunnel



AUSTRIA: Koralm Tunnel



Build and forget?



Refurbishment Hamburg – Berlin



© Jens Büttner/dpa



SWITZERLAND: GBT



SWITZERLAND: GBT



SWITZERLAND: GBT



SWITZERLAND: GBT

Point name:
144

Point type:
Normal

Code:
7

Rail inc. Right
Rail inc. Left
Cant
Gauge

Esc

HA:164.8537 VA:101.2991 SD:23.649

0.6mm
1435.7mm

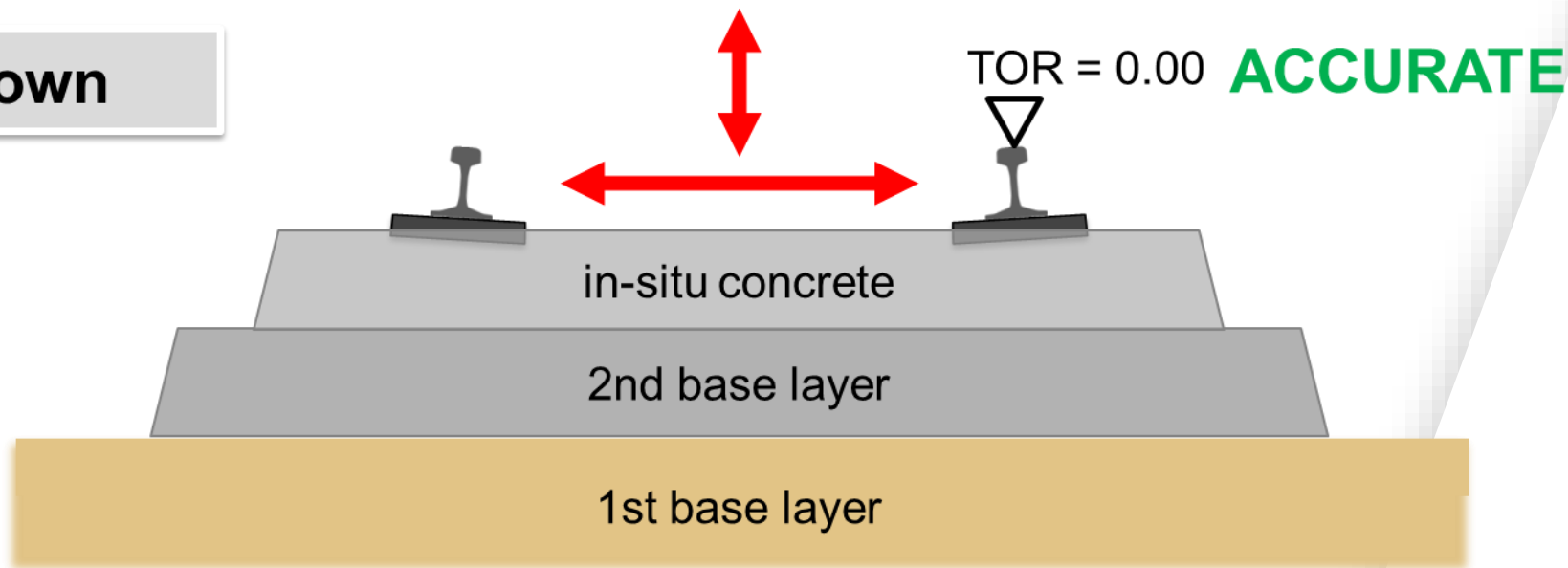
Check
Topo
Options
Freeze

67%
73%
0.000
-34.4
0.100

List
Overlap

**„THERE MUST BE A BETTER WAY.“
-- EVERY INVENTOR**

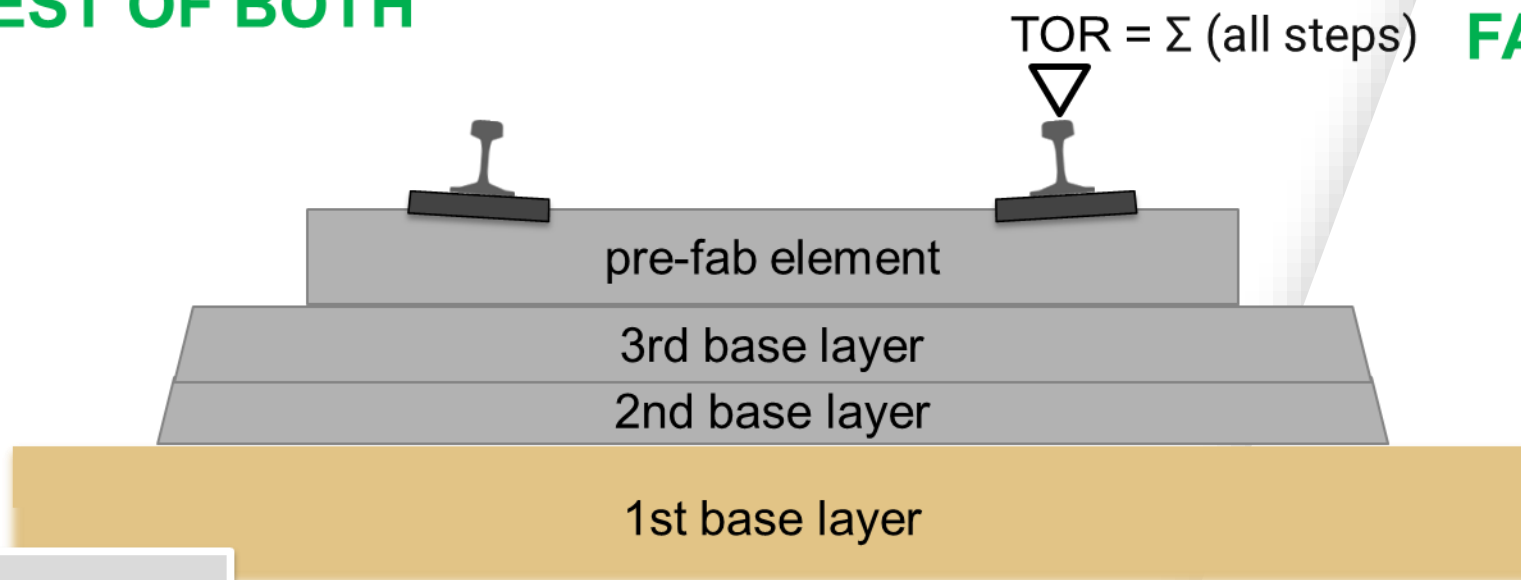
Top-down



BEST OF BOTH

Advantages

TOR = Σ (all steps) **FAST**



Bottom-up





«As easy as constructing with LEGO!»
— Hermann Granig (foreman, 20 years experience)
about the Zierenberg project (GER)

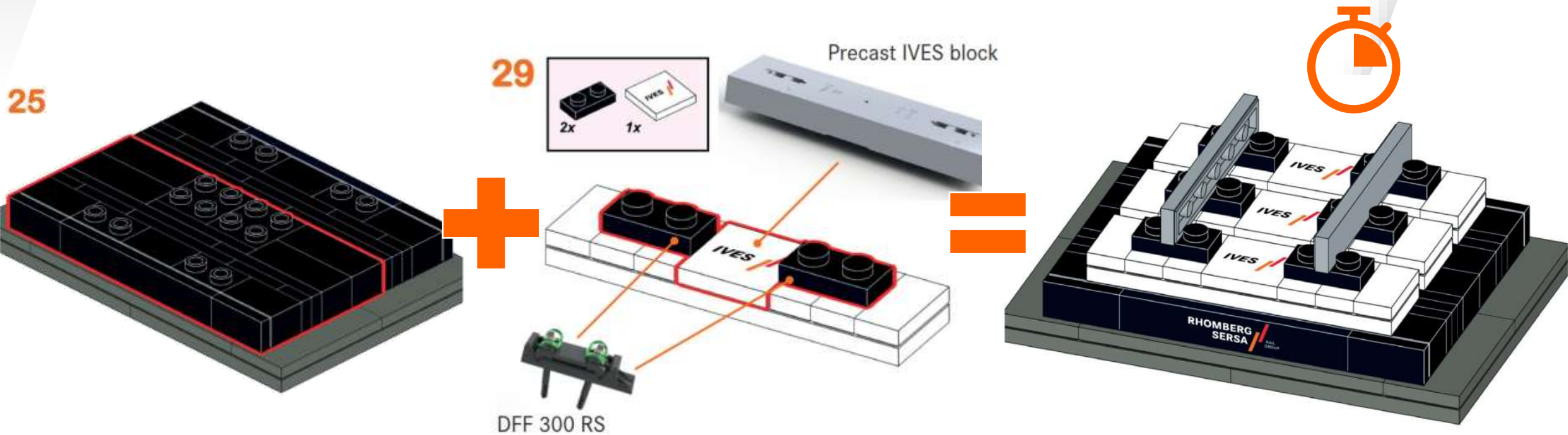




IVES //



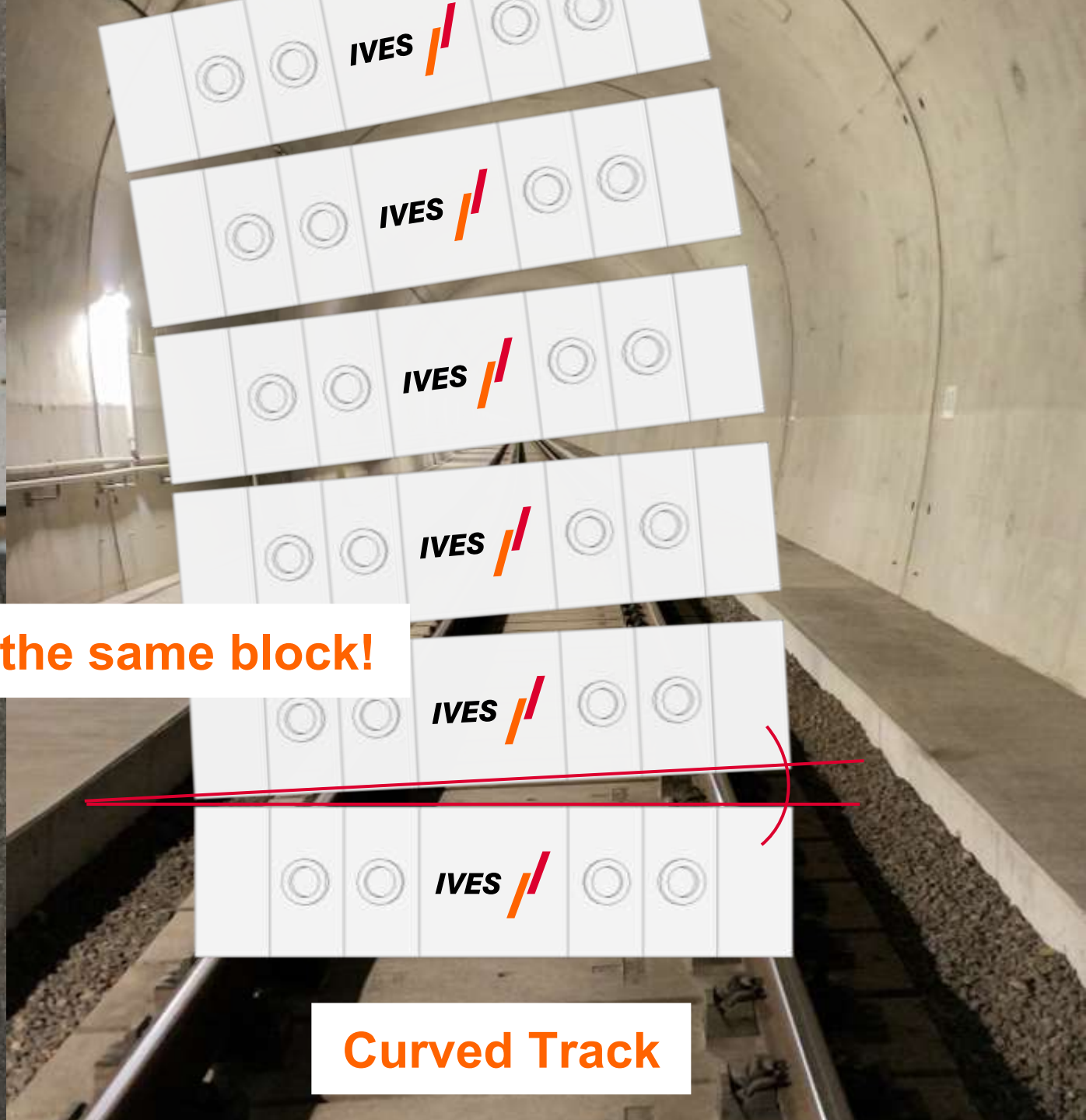
IVES: FAST & MODULAR!





Always the same block!

Straight Track



Curved Track

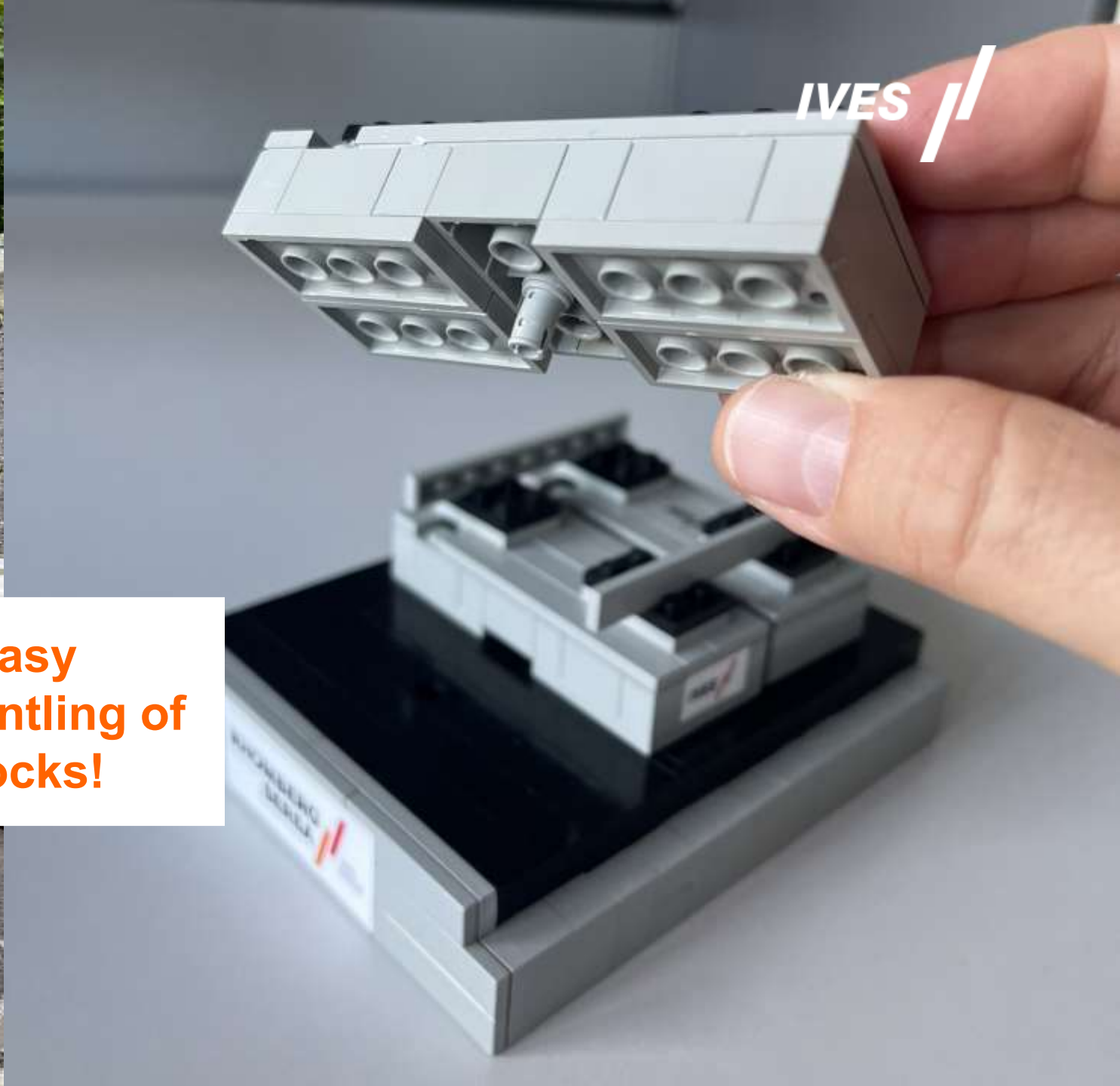


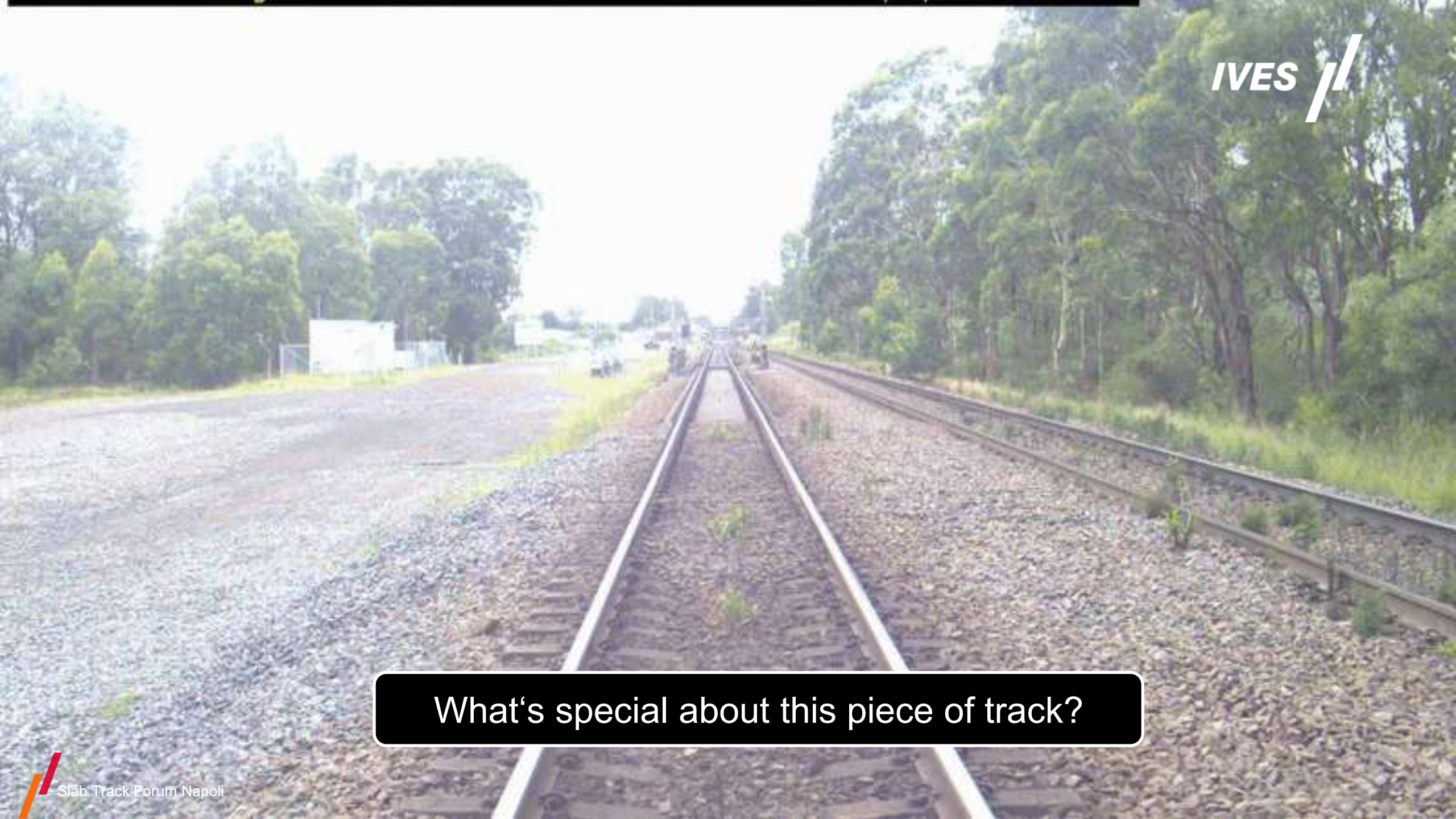
VS.





**Easy
dismantling of
blocks!**



The background of the slide is a photograph of a railway track. The track consists of two parallel steel rails on a bed of gravel, receding into the distance. On the left side of the track, there is a gravel area and some trees. On the right side, there is a dense line of trees. In the far distance, some construction equipment and structures are visible.

What's special about this piece of track?



Weighbridge in Braxton, AU

Coal trains with 30 to axle load



Reference: Branxton weighbridge (ARTC, AUS)

Article published in ZEVrail 10/2025

- Annual tonnage:
150-160 MGT
- In operation since 2017

$$\frac{1230 \text{ MGT}}{20 \text{ MGT/year}} = 62^* \text{ years}$$

*equivalent operating time
in a typical European
mainline track with 20 MGT p.a.



IVES



SCAN-MED

Korridor - *Corridoio* - Corridor



aktuelle Vortriebe
avanzamento in corso
current excavations

bereits ausgebrochene Abschnitte
sezioni già scavate
already excavated sections

FULL STEAM AHEAD!

OPERATION SLAB TRACK CONTINUES



alien
Italia
Italy

NOTHALTESTELLE ST. JODOK
FERMATA DI EMERGENZA ST. JODOK
EMERGENCY STOP ST. JODOK

NOTHALTESTELLE TRENS
FERMATA DI EMERGENZA TRENS
EMERGENCY STOP TRENS

VOLF

ASTERTAL

MULES
MAULS



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 → Get in touch!

Thanks & Grazie!

