



# IVES

## Innovative Slab Track System

// IVES stands for intelligent, versatile, efficient, solid and is a holistic concept, which embodies the advantages of bottom-up and top-down installation principles.

### Operating principle

The IVES Slab Track System is characterized by a high degree of prefabrication. Precast concrete elements are used as well as the patented Vossloh DFF 304 rail fastening system. Potential inaccuracies of track position are compensated with one simple and efficient work step. Due to its technically and economically optimized design, IVES represents a sustainable and competitive alternative to ballast superstructure.

### Main benefits

#### Intelligent

- Combination of simplicity and speed of bottom-up systems with accuracy of top-down systems
- No use of in-situ concrete

#### Versatile

- Adaptable to specific projects across a broad range of applications

#### Efficient

- Simple step-by step installation
- Short waiting times between each installation step
- Low life cycle costs

#### Solid

- Minimal sources of error due to the high grade of prefabrication

## // Slab Track System

### IVES Features

- Base layer (road asphalt)
- Precast concrete elements
- Patented Vossloh rail fastening system (DFF 304)
- High-strength, rapid-hardening grouting mortar

### Basic Installation steps

- Construction of the base layer
- Structural elements are directly placed on base layer
- Formation and fine adjustment of the track panel
- Fixation of the rail fastening system with grouting mortar



HIGH TRACK AVAILABILITY



INCREASE TRACK PERFORMANCE



REDUCE MAINTENANCE AND LIFECYCLE COSTS

