

## Track surveying: faster, more efficient and more accurate



### New measuring sensor: AMU 1030 (Amberg Measuring Unit)

- Based on IMU technology (Inertial Measurement Unit)
- Integrated microcomputer
- Surveying of track alignment with AMU instead of a total station

### Amberg IMS 1000



- GRP System FX basic measurement system
- AMU 1030 sensor
- Leica total station (TS15/30/50, MS50, TPS1200)

#### Main features

- Unrivalled measuring performance (up to 4 km/h)
- Unique kinematic accuracy
- Proven VMS work procedure with only one measurement trolley
- Single and multi control point mode
- Automatic control point surveying

#### Accuracy

- Single control point mode
  - absolute accuracy at control point: 1 mm
  - accuracy of track geometry: 1 mm
- Multi control point mode
  - absolute accuracy: < 1 mm
  - high reliability

### Amberg IMS 3000



- GRP System FX basic measurement system
- AMU 1030 sensor
- Amberg Profiler 110 FX

#### Main features

- Unrivalled measuring performance (up to 4 km/h)
- Unique kinematic accuracy
- Proven VMS work procedure with only one measurement trolley
- Single control point mode
- Manual control point surveying

#### Accuracy

- Single control point mode
  - absolute accuracy at control point: 3 mm
  - accuracy of track geometry: 1 mm

### The new applications from Amberg Rail 2.0 at a glance – available in February 2015

#### For ballast tracks

- Amberg Tamping IMS 1000

- Amberg Tamping IMS 3000

#### For slab tracks

- Amberg Slab Track IMS 1000

- Amberg Slab Track IMS 3000