



transforming the way the world works



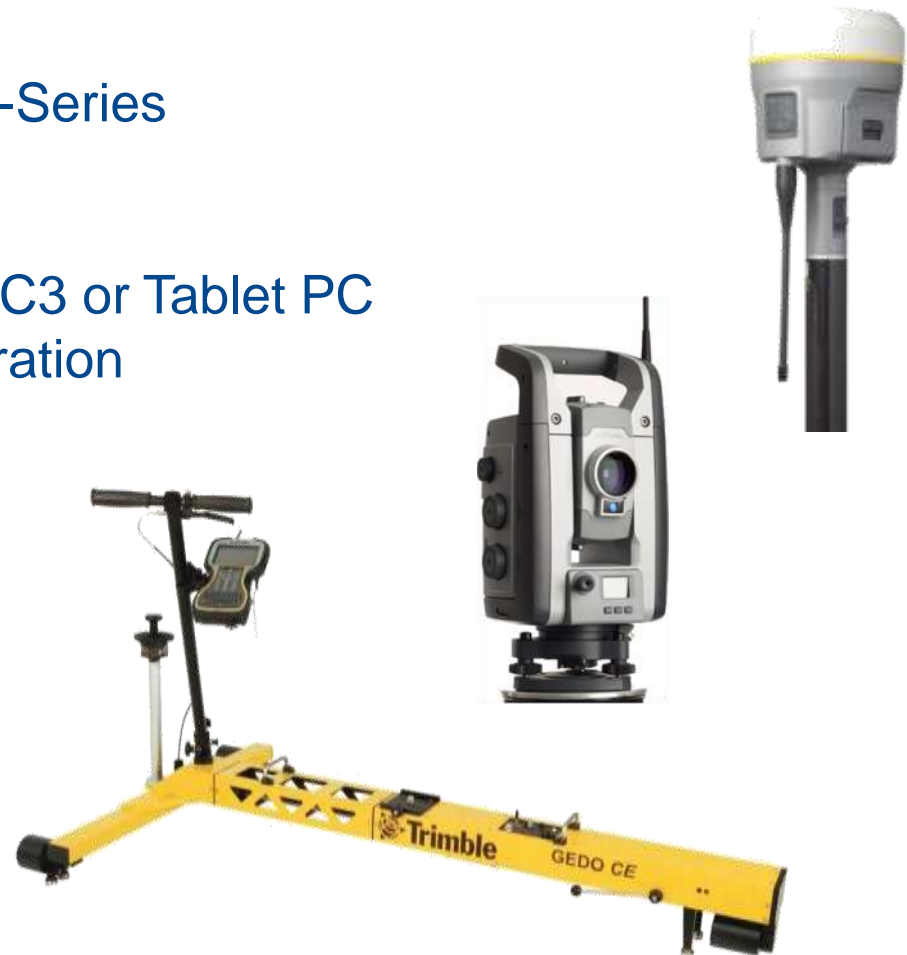
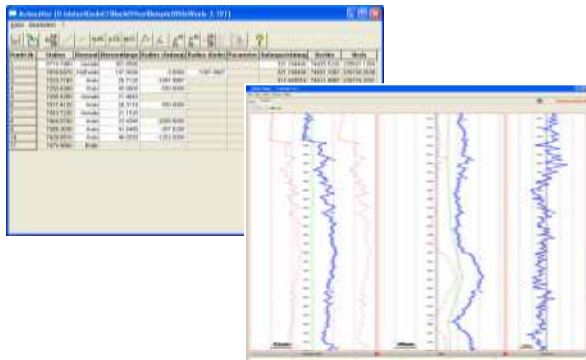
Trolley GEDO CE 2.0

Trimble Railway Industry

GEDO Functionality

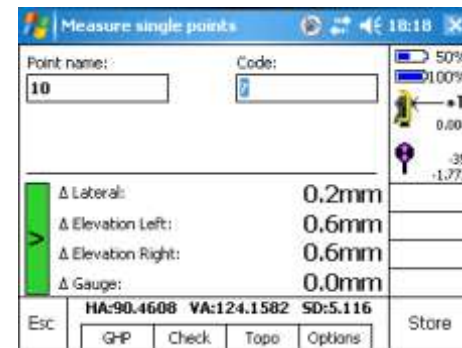
Geodetic measurement system

- Track measurement trolley
- Robotic total station Trimble S-Series
- Trimble GNSS receiver
- Laser Scanner Trimble TX5
- Control unit Trimble TSC2, TSC3 or Tablet PC
- Office software for data preparation and data processing

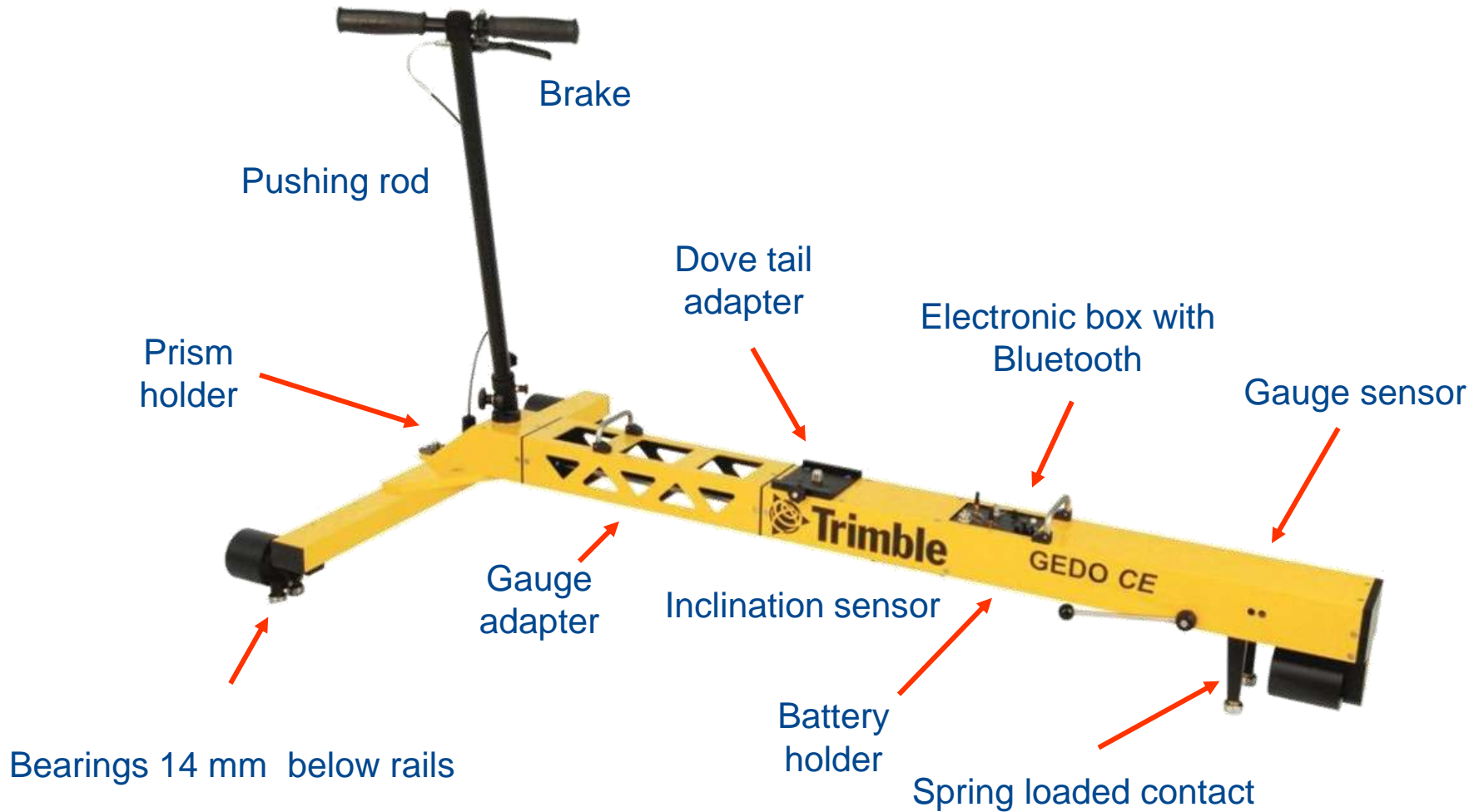


GEDO Trolley

- Light weight
- Easy gauge change
- Cable free system
- Low power consumption
- Standard-S-series batteries
- Modern software concept
- Robust Control unit
- Windows Mobile® operating system



GEDO Trolley



GEDO Trolley



Particular parts



Assembly

GEDO Trolley

Flexible

- Prism
- Total station
- GNSS/GPS-Receiver
- Laser Scanner



Specifications

Accuracy	Gauge	+/- 0.3 mm
	Cant	+/- 0.5 mm
Meas. range	Gauge	-20 mm to +50 mm
	Cant	+/- 265 mm (at 1.435m gauge)
Weight		ca. 14.9 kg
Battery	Type	Standard Trimble battery
	Run time	6-8 h (1 battery)

GEDO Technology

Trimble S8 High Precision Robotic

- MultiTrack
 - Lock onto active and passive targets
- MagDrive
 - Electromagnetic drive
 - No wearout
- Highest accuracy (1", 1mm)
- Fully synchronised data output
- Integrated radio
- Internal battery box



GEDO Technology

Trimble R10 GNSS Receiver

- Small and light weight receiver
- Trimble xFill technology
=> Coverage during connection outages
- Powerfull 440 channel with Trimble 360 technology for advanced satellite tracking
- Internal SIM-Card slot



GEDO Technology

Trimble TX5 Laser Scanner

- Versatile and cost-effective
- Compact and portable
- Intuitive touch screen interface



Sensor calibration

- Gauge sensor
 - External reference
 - Mechanical gauge bar
 - Tape measurement



Gauge sensor calibration		13:57	
Current value:	--mm	Measure	AC
Reference value:	<input type="text" value="?"/>		47%
Offset new:	--mm		S
Offset old:	0.0mm		0.000
			DR
			+0
			0.000
Esc	HA: 85.8204gon VA: 97.6073gon	Accept	

Sensor calibration

- Inclination sensor
 - External reference
 - Mechanical cant bar
 - Level
 - Internal reference
 - Two face measurement



Inclination sensor calibrator		16:18	
<input checked="" type="checkbox"/> Active	<input type="checkbox"/> External reference	100%	S
Face I: -. -mm	<input type="button" value="Measure"/>	S	0.000
Face II: -. -mm	<input type="button" value="Measure"/>	S	-35 0.000
Reference value: -. -mm			
Offset new: -. -mm			
Offset old: 0.1mm			
Esc	HA: 158.8157gon VA: 100.3864gon	<input type="button" value="Accept"/>	

Inclination sensor calibrator		13:56	
47%	S	<input type="button" value="Measure"/>	
S	0.000		
DR	+0 0.000		
		<input type="button" value="Measure"/>	
		<input type="button" value="Accept"/>	
	VA: 97.6073gon		
Esc		<input type="button" value="Accept"/>	

GEDO Track measuring bar

- Track measuring bar with electronic sensors (gauge, cant)
- Bluetooth
- Use instead of trolley, same functionality and results
- Lighter

- Use when only selected points need to be recorded

