

NZRF/RIAA Road marking Conference and Exhibition 2011

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A little bit of history and the newest testing instruments for road markings

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ZRM 1011 1981

First with electrical standard positioning system



ZRM 1012 1987

Distance 15m



ZRM 1012 1998

Distance 30m







1999

ZRM 1013 First combined instrument for R_I and Qd



2001

ZRM 1013+ First with wet timer First with detailed report A4 First with automatic self diagnostic



ZRM 6013 2006

First with LED illumination First with temperature and humidity







ZRM 6014 2010 First with colour touchscreen
First with a camera in the
same geometry
First with level-meter and
compass



- Very simple operation over one button (incl. On/Off button)
- ► Measure accurate R₁ and Qd in about 2 seconds
- Long battery live
- Compact and robust design





Hand-held devices



ZRM 6014

Dynamic measurement system



ZDR 6020



► Measure R_L and Qd in 2 sec.

Compact, elegant, but also robust design

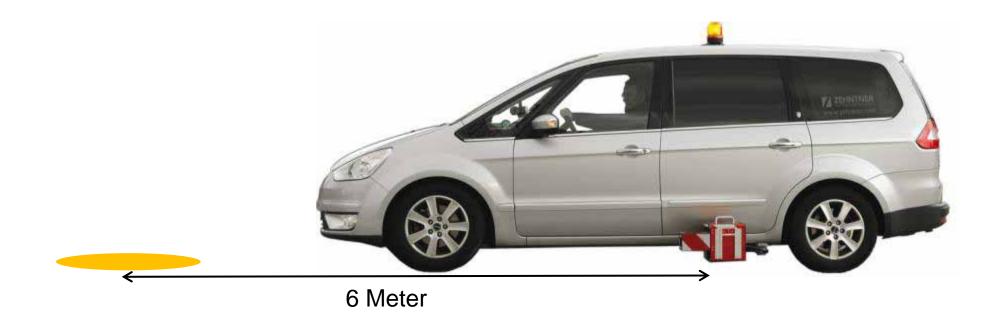
Transfer and analysis of measured on PC provided







- Measures like the hand-held device R_L
- Measures in a short time a wide area
- Welcome analysis of the measurement data over PC provided



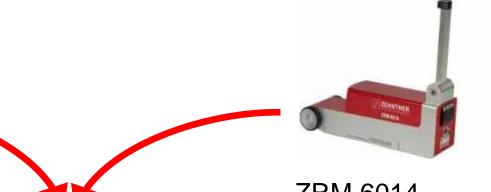


Easy handling and visualisation of measurement data

Direct generating of reports



ZDR 6020



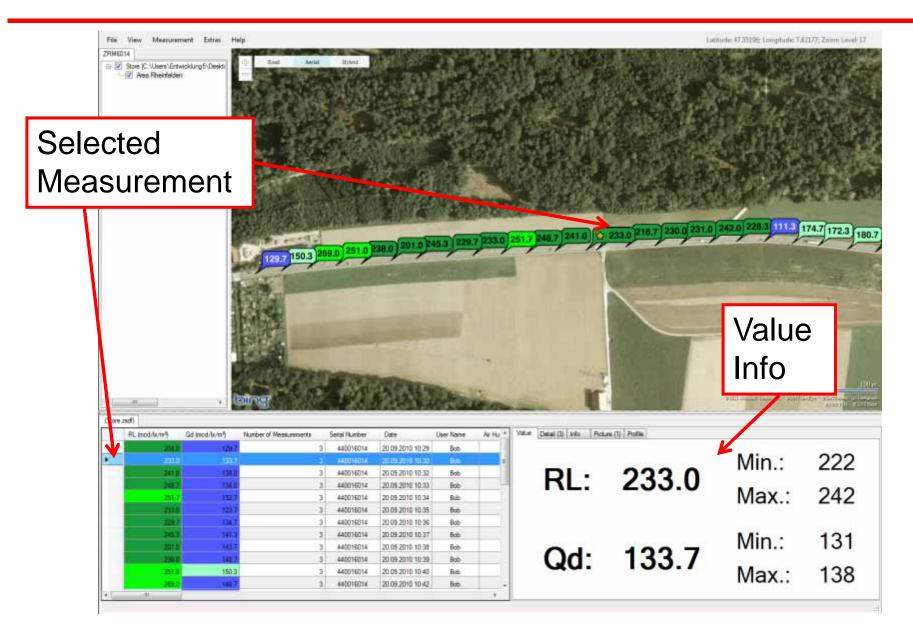
ZRM 6014



Mapping Tools

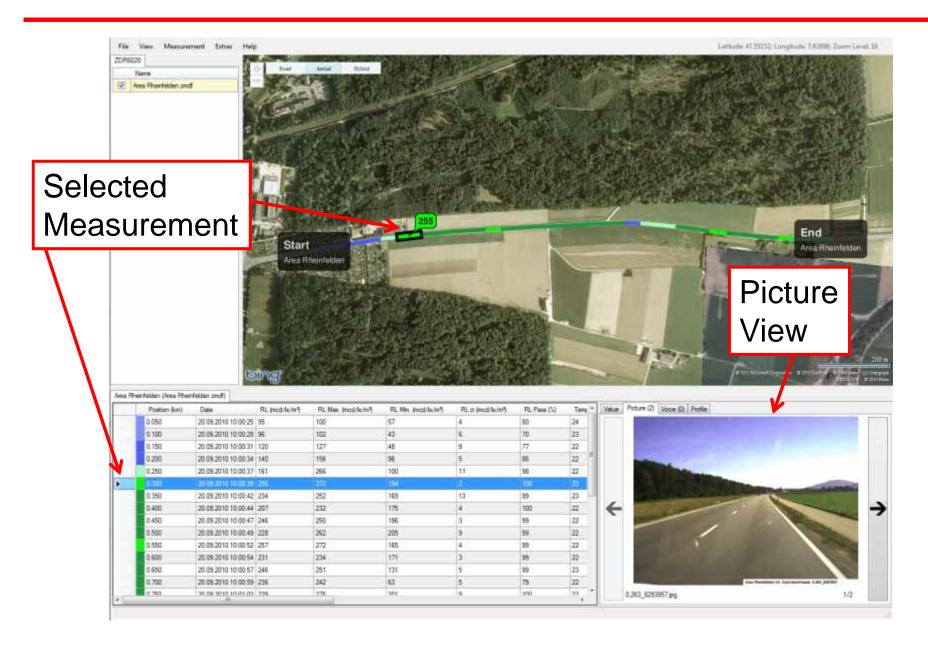


Overview ZRM 6014 measurement

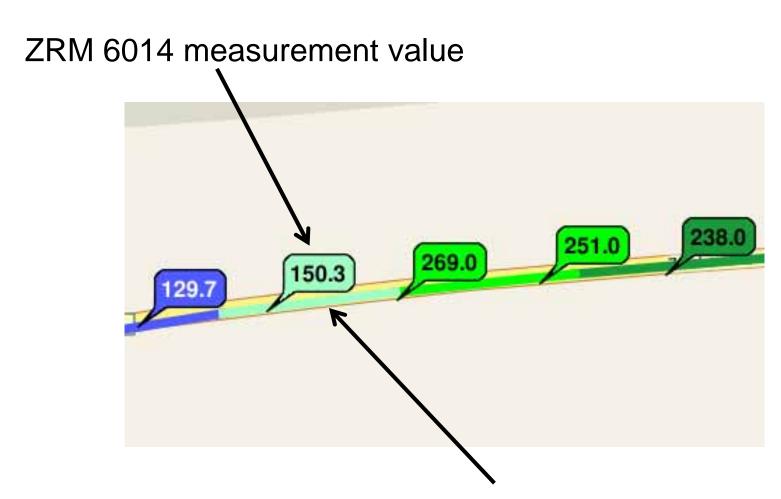




Overview ZDR 6020 measurement

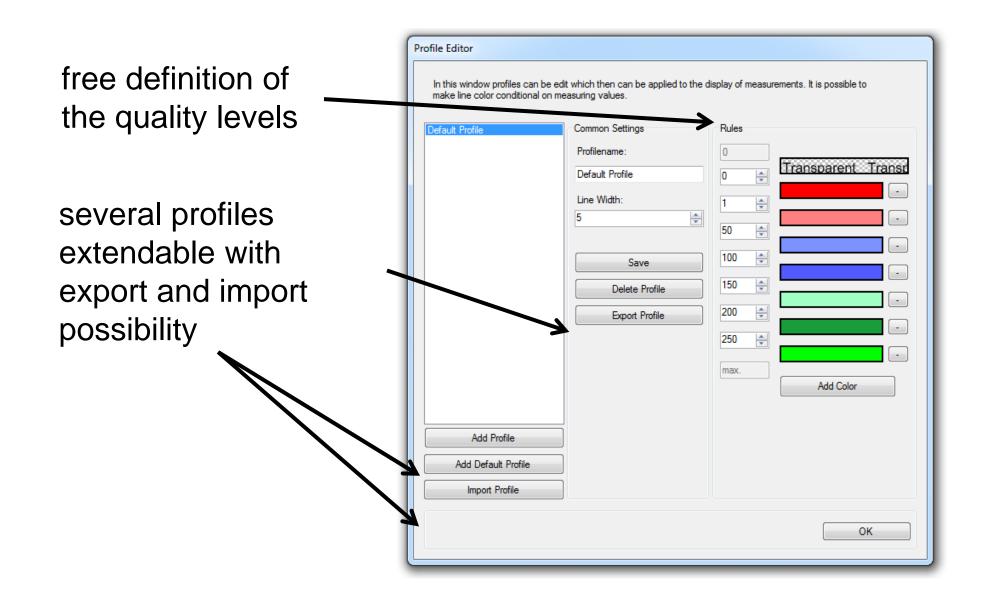






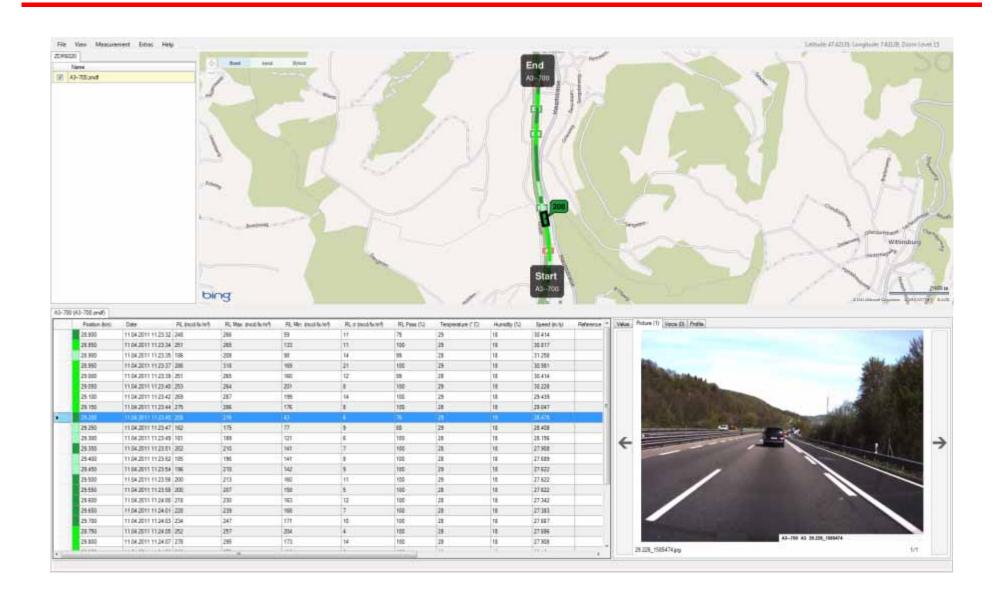
ZDR 6020 measurement section







ZDR 6020 measurement animated

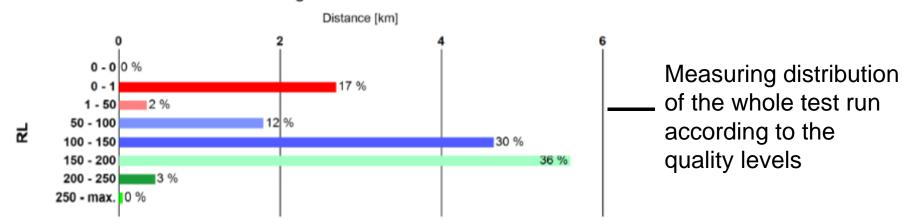


Zehntner Mapping Tools measurement report



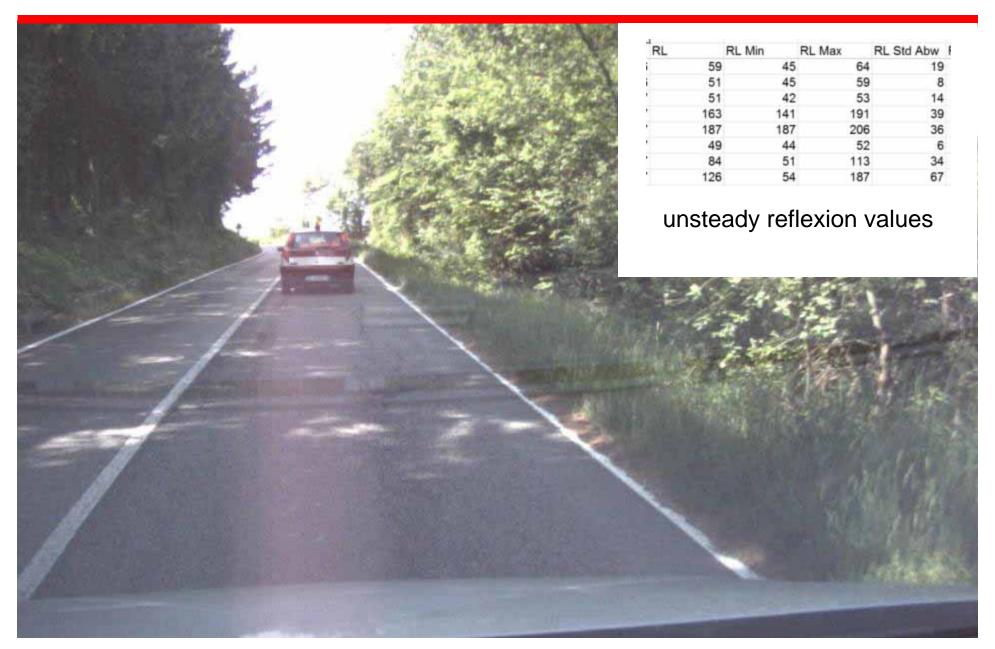
Graphical Illustration of
 the measurement values
 based on the individual
 configurable quality level

Measuring Distribution



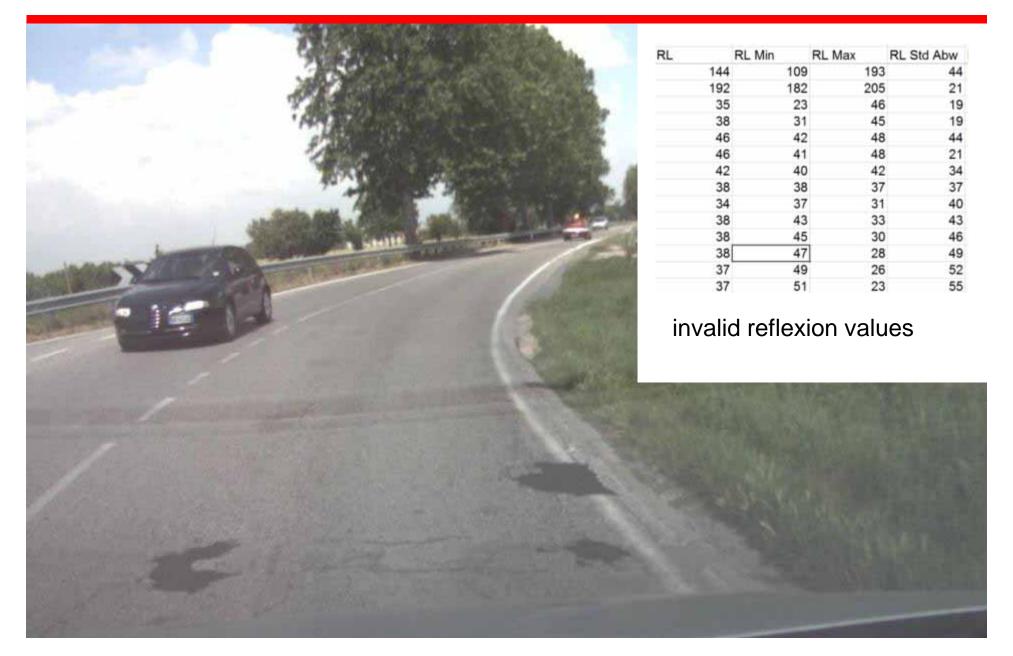


ZDR 6020 example road side reflexion





ZDR 6020 example road side reflexion







For questions please refer to booth KADCAM



