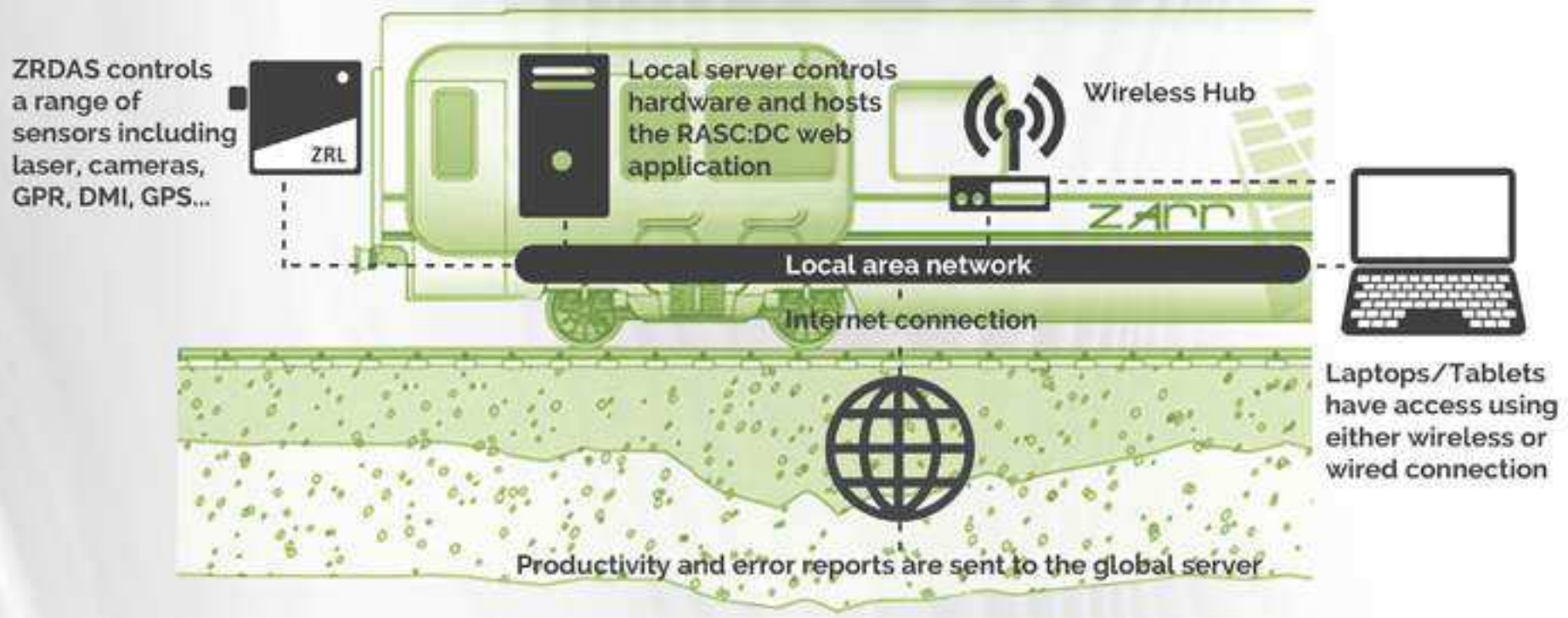
ZRDAS

Zetica Rail's Data Acquisition System

Zetica's ZRDAS data acquisition system is a unique generic controller with programmable logic to control measurement systems such as ground penetrating radar, mobile terrestrial laser scanners, area scan cameras, linescan cameras and associated positioning systems such as global positioning and inertial navigation systems.

ZRDAS description:

- Routing and formatting of signals to multiple collection systems (3 x DMI with NMEA and 1 x DMI with custom message option)
- DMI redundancy. (Two DMI inputs, plus options to simulate DMI from GPS)
- Non-volatile storage of system parameters
- L1 / L2 dGPS with WAAS / SBAS. (Omnistar, RTK options)
- Programmable hardware routing of signals, allows GPS / INS source to be from ZRL200 or locally connected
- LCD display with DMI readouts and IP address
- ZRL200 connection socket, with relevant signals
- ZRC-LS2.4 connection socket, with relevant signals
- Camera connection with trigger signal, distance interval fully adjustable from 1m
- Camera messaging RS232 port providing 1Hz status messages and me sages when camera triggers are generated
- Status messages via onboard TCP/IP socket server
- Raw GPS observations via onboard TCP/IP socket server
- Ethernet connectivity
- Software control via a remote tablet



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