



TRAINNET®, FOR THE MONITORING, CONTROL AND/OR AUTOMATION OF:

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|--------------------------------|-------------------------|-----------------------|------------------------------------|
| 1 Air conditioning/Ventilation | 2 Traction | 6 Audio announcements | 10 Emergency communications |
| 2 Bearing temperature (SIL-2) | 3 Passenger information | 7 Video surveillance | 11 Data protection (black box) |
| 2 Speed measurement (SIL-2) | 4 Lights | 8 Doors | 12 Train-to-wayside communications |
| 2 Brakes | 5 Water tanks | 9 Batteries | |

Australian Rail Technology is the agent for the EKE electronics.

EKE provide tailored solutions for system integration, train automation, train communications and improved safety. EKE have solutions for high speed trains, commuter trains, metros, trams, passenger coaches and locomotives.

EKE technology for smarter trains through:

Integration

- Integrate on-board systems via a versatile Train Communication Network (TCN).

Automation

- Automate systems and diagnostics by developing a powerful Train Control and Management System (TCMS).

Safety

- Improve safety with SIL certified technology, redundancy and
- Safety systems such as video surveillance and event recorders.

Communication

- Communicate with passengers and staff via audio announcements and displays in the train and beyond.



EKE’s expertise ranges from developing complete Train Control and Management System (TCMS) or Train Communication Networks (TCN) to providing specific technology such as gateways or event recorders (JRU).

EKE also offer advanced TCMS integrating Passenger Information Systems (PIS), video surveillance (CCTV) and wireless communication devices for a complete turnkey solution.

EKE is IRIS certified and our products comply with the railway industry standards such as EN 50155.

