



Prioritizing safety through protection & control



TPWS & AWS

Train Protection and Warning System & Automatic Warning System



Total control, monitoring and processing of TPWS and AWS function. ETCS ready.



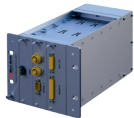
Advanced signal processing techniques combined with high integrity components and assemblies.

ETCS ready: can be integrated with ETCS via simple digital hardwire interface, bespoke serial communication interfaces or a UNISIG compliant STM. Fully compliant with all standards.

Small, lightweight and reliable system that is both easy to install & maintain. Low installation and maintenance costs. Already installed and proven on major UK projects.

Traditional driver machine interface (DMI) panel can be also presented as a touchscreen visual display unit that combines AWS/TPWS buttons, indicators and "sunflower" with train speedometer in the format of ETCS DMI.

Cab Driver Interface and System Components:



TPWS Control Unit with multiple connection options



TPWS Sound Unit operator alarm with digital hardwire or serial interfaces



AWS Visual Indicator "Sunflower"



OR



Driver Machine Interface "DMI" in a panel option or digital visual display unit on a single touchscreen



TPWS Antenna



AWS Electronic Receiver



Customer benefits:

- + Complies with UK railways standards GE/RT8075 issue 4 and RIS-0775-CCS issue 3
- + ETCS ready with specific transmission module (STM) interface
- + Ease of integration with TCMS and other
- + Supplied with DeBo and ISA certification
- + Easy, low-cost installation and maintenance
- + Small size and weight

Ready to show



Ready to quote



Ready to produce



In production

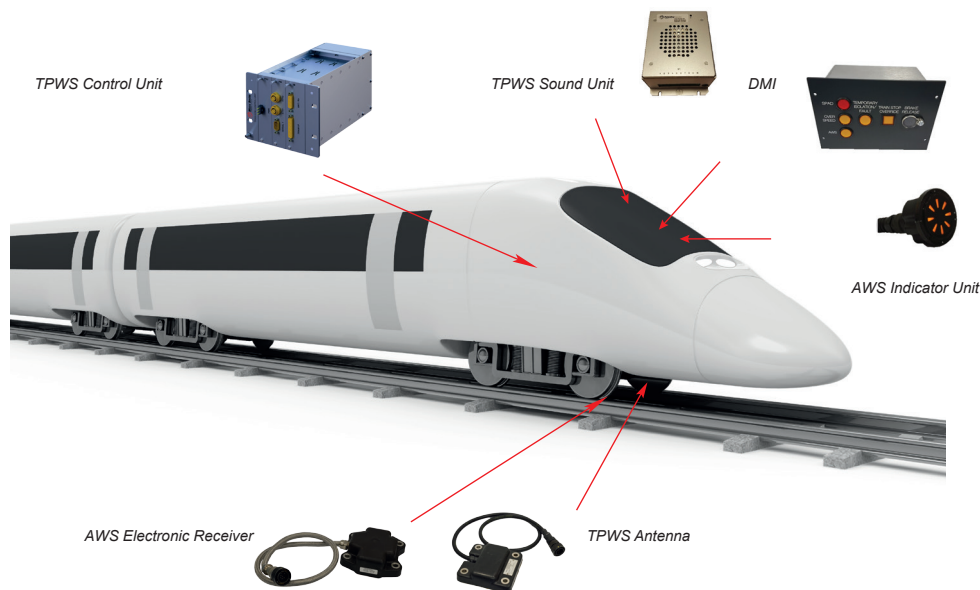


Credentials

- Alstom Crossrail
- Alstom London Overground
- Alstom East Anglia
- Alstom South West Trains
- Alstom West Midlands
- Alstom C2C
- Stadler East Anglia
- Stadler Mersey Travel
- TOTAL 1,116 Systems
- Stadler Wales and Borders FLIRT
- Stadler Wales and Borders Train Tram
- Alstom Class 378 Heathrow Express

References

- BS EN 50129:2003 - Safety related electronic systems for signalling
- BS EN 50155:2007 - Electronic equipment used on rolling stock
- BS EN 50128:2011 - Software for railway control and protection systems



To discover everything TPWS / AWS can do, contact

www.morssmitt.com

Mors Smitt Asia Ltd.
 26/F., Casey Aberdeen House
 38 Heung Yip Road, Wong
 Chuk Hang Hong Kong
 Tel: +852 2343 555
 sales.msa@wabtec.com

Mors Smitt France SAS
 2 Rue de la Mandinière
 72300 Sablé-sur-Sarthe, France
 Tel: +33 (0) 243 92 82 00
 sales.msf@wabtec.com

Mors Smitt UK
 Graycar Business Park,
 Burton on Trent, DE13 8EN, UK
 Tel: +44 (0)1283 357 263
 sales.msuk@wabtec.com

Wabtec Netherlands B.V.
 Darwinstraat 10
 6718 XR Ede, Netherlands
 Tel: +31 (0)88 600 4500
 sales.msbn@wabtec.com

Mors Smitt Technologies Ltd. 1010
 Johnson Drive
 Buffalo Grove, IL 60089-6918, USA
 Tel: +1 847 777 6497
 salesmst@wabtec.com

RMS Mors Smitt
 19 Southern Court Keysborough,
 VIC 3173, Australia
 Tel: +61 (0)3 8544 1200
 sales.rms@wabtec.com

(c) Copyright 2022
 All rights reserved. Nothing from this edition may be multiplied, or made public in any form or manner, either electronically, mechanically, by photocopying, recording, or in any manner, without prior written consent from Mors Smitt. This also applies to accompanying drawings and diagrams. Due to a policy of continuous development Mors Smitt reserves the right to alter the equipment specification and description outlined in this datasheet without prior notice and no part of this publication shall be deemed to be part of any contract for the equipment unless specifically referred to as an inclusion within such contract. Mors Smitt does not warrant that any of the information contained herein is complete, accurate, free from potential errors, or fit for any particular purpose. Mors Smitt does not accept any responsibility arising from any party's use of the information in this document.