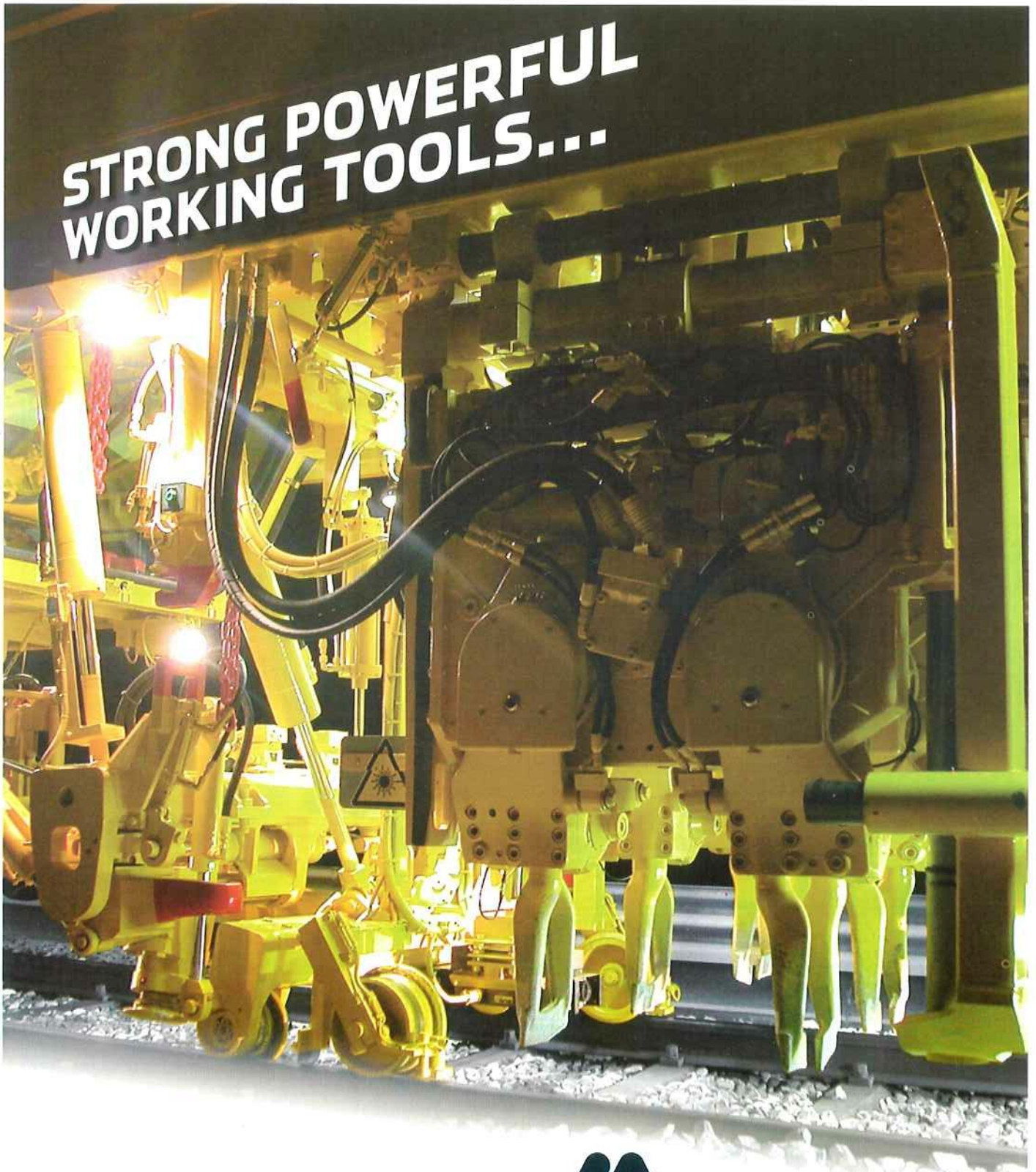


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- 2 **Publisher's Note**
UIC and UNIFE publish CAB TecRec
Bombardier INNOVIA APM 100 at the airports of Gatwick and Frankfurt
- 3 **2nd UIC Global Rail Freight Conference, St. Petersburg, Russia, 6-7 July 2010**
- 4 **Track surveying systems that provide high-accuracy correction values for the guiding of tamping machines: the EM-SAT, the CAL curve laser and the CAL-SAT**
For a reliable consideration of the cost-efficiency of track maintenance operations, and as a sound basis for decision making as to which maintenance measures are needed, it is essential to deploy track recording systems that provide accurate measuring data. This article looks at track surveying prior to track maintenance, using the EM-SAT track survey car, the CAL curve laser and the CAL-SAT, all of which are Plasser & Theurer systems that provide high-accuracy correction values for guiding tamping machines.
- 8 **Bybanen - the new light rail transit system of Bergen, Norway - now open**
On 22nd June 2010, Her Majesty Queen Sonja of Norway cut a ribbon in the presence of the Mayors of the City of Bergen and the County of Hordaland, as well as other local and national dignitaries and politicians, thereby opening the first phase of Bybanen: Bergen Light Rail.
- 10 **1960 – 2010: Speno International celebrates its 50th Anniversary**
This year, Speno International S.A. is celebrating its 50th Anniversary. From the very beginning, in 1960, Speno has specialised in rail maintenance and, later, in rail flaw detection. The company has developed its own machines using the latest technologies, resulting in a consistently high level of service.
- 11 **Full-scale laboratory testing of ballast behaviour following traffic loading and tamping**
Within the framework of a PhD research project conducted at the Swiss Federal Institute of Technology (EPFL), the impact of traffic loading and tamping on the mechanical properties and service life of ballast has been investigated under laboratory-controlled conditions, using a specially developed plate-load test device. This article looks at some of the results obtained using this method.
- 13 **InnoTrans 2010, Berlin, Germany, 21-24 September 2010: 2,242 exhibitors from around the world took part in this event**
On 21-24 September 2010, InnoTrans 2010, the 8th International Trade Fair for Rail Transport Technology, took place in Berlin, Germany, in which some 2,242 exhibitors from 45 countries took part, giving visitors comprehensive information on new products and latest developments in the various fields of railway transport technology and services. The world's leading trade show for railway transport technology was attended by some 106,612 trade visitors from over 110 countries.
- 16 **6th World Congress on Railway Security, Istanbul, Turkey, 23-25 June 2010**

FRONT COVER:

MATISA's type C tamping units installed on a B 41 UE tamping machine, delivered to Grantplant (UK), while working during a night shift. This type of tamping units is installed on all MATISA universal and switch tamping machines.




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