RAIL WEATHER COCKPIT®

HIGH-PRECISION FORECASTS FOR SAFE & COST EFFICIENT RAIL OPERATIONS
YOUR CHALLENGES

DOES EXTREME WEATHER OR STRONG WINDS AFFECT TRAIN OPERATIONS?

DO WE NEED TO DISCONTINUE TRACK MAINTENANCE BECAUSE OF HOT WEATHER?

WILL CRITICAL RAILWAY LINE SECTIONS BE FLOODED?

WILL ICE ON THE CATHEDRAL CAUSE DISRUPTIONS?

WILL SANDSTORMS CAUSE DRIFTS THAT MIGHT RESULT IN DERAILMENTS?

WILL ICE ON THE CATHEDRAL CAUSE DISRUPTIONS?

OUR FEATURES

WEATHER MAP

- Real-time overview of current weather situation on all railway lines
- Instantaneous weather information on local phenomena and dangers
- 100% surveillance of ALL railway lines
- Ability to precisely identify every weather situation
- Reliable decision support system with 27,000 weather stations worldwide
- Initiate crew recall or re-crew notification as needed

WINTER SERVICES PLANNING

- Optimized planning of winter services for all railway lines
- Automatic alignment with meteorological forecasts
- Displayed as green / yellow / red days in Rail Weather Cockpit®
- Decision Support System enables optimal winter service planning
**OUR FEATURES**

**WARNINGS AND ALERTS**
- Weather-related warnings when parameter thresholds are exceeded (e.g. wind, temperature, precipitation, snow)
- One consistent warning and alert system for the entire network
- Severe weather warnings provided by experienced meteorologists
- Ability to precisely define user groups receiving alerts
- Distributing warnings via e-mail and text message

**WEATHER FORECASTING & PLANNING**
- 3-D Rail Weather Model
- Weather forecasting for all railway lines
- Manage a large number of stations and employees
- Provide special forecasts for critical route sections
- Decision support for resource planning

**YOUR BENEFITS**

**ENHANCE SAFETY**
- Reduce the risk of weather-related accidents and incidents
- Prevent derailments and ensuing injuries and fatalities
- Establish network-wide warning system
- Reduce maximum speed or completely discontinue operation if required
- Enable proactive safety measures by early and accurate weather warnings
- Prevent damages to railcars and rail infrastructure
- Enhance overall sense of security

**INCREASE EFFICIENCY**
- Reduce weather-related delays
- Increase railway line availability by prompt countermeasures
- Enable operators to modify operations to forecast conditions
- Plan for rerouting, slowing, stopping or delaying operations
- Organize winter services (snow and ice removal) for smooth operation
- Initiate crew recall or re-crew notification as needed
- Anticipate disruptive events earlier
- Adapt resource planning to weather situation

**REDUCE COSTS**
- Optimize switch heating systems with weather data (less CO2/fewer costs)
- Reduce economic damages
- Economical resource planning
- Reduce additional costs resulting from over- or understaffing
- Optimize allocation of standby resources

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**WARNINGS AND ALERTS**

Wczesne Ostrzeżenie:
Możliwe burze z piorunami, ulewy I silne podmuchy wiatru.
Kod pocztowy 00-321, 02/07 14:00 – 02/07 21:00
Poziom Ostrzegawczy 2:
Burza z piorunami, ulewa i wicher
Kod pocztowy 20-731, 03/07 16:45 – 03/07 17:45
Poziom Ostrzegawczy 2:
Ulewa 60-80 mm/m2. Lokalne powodzie, niebezpieczeństwo na drodze.
Kod: 03-332, 07/07 18:00 – 08/28.3.

METEONEWS
Warnung Stufe rot: Starker Schneefall, 30 bis 50 cm; Glarus, 05/12 5:00 – 06/12 5:00
METEONEWS
Warnung Stufe orange: Sturmböen aus West, 80 bis 100 km/h; Bern, 05/12 8:00 – 05/12 20:00
METEONEWS
Warnung Stufe violett: Heftige Gewitter, Starkregen/Hagel; Zürich, 06/08 15:00 – 06/08 23:00

3. 12. 2016, 11:05
5. 8. 2016, 18:35
ABOUT UBIMET

UBIMET is the leading weather service provider for railway operators and one-stop shop for high-quality data, a proprietary lightning detection network, weather alerts and tailor-made meteorological solutions. The founder-led company with offices on three continents stands for reliable, highly precise weather information and digital information services for weather-dependent companies. As a global innovation leader, top insurers and energy providers, infrastructure operators, media and sports companies to champions of the new economy place their trust in us. UBIMET offers high-quality meteorological data, forecasts and warnings which enable weather dependent industries around the globe to increase safety and efficiency.

www.ubimet.com

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