

## smartMET/NAV

smartMET/NAV is a information and control display presenting meteorological and relevant status information from different sources in one integrated HMI.

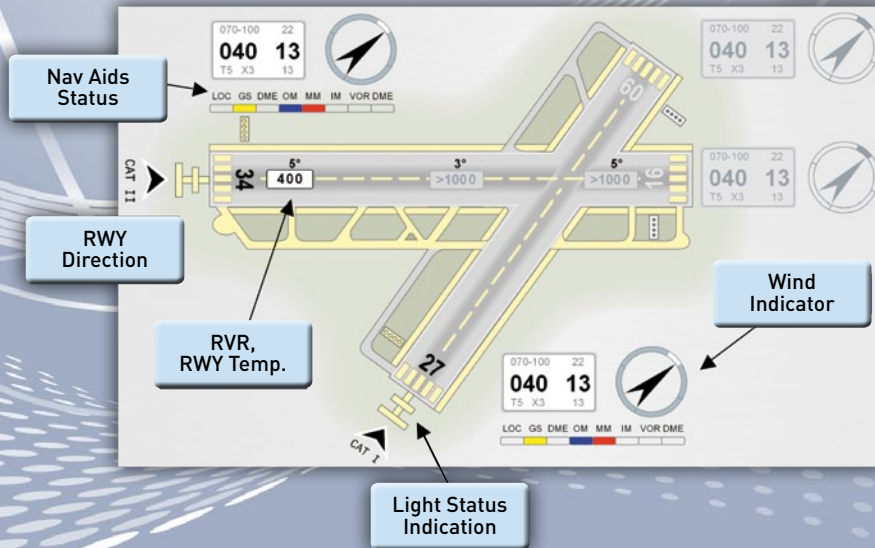
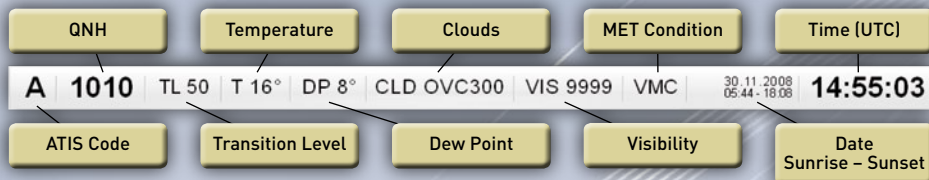


<b>Usability</b>	All important information on ONE screen, fast interactions via touch screen, graphical display of airfield
<b>Scalable and Extendable Solution</b>	In terms of system size (working positions and external interfaces), functions, and roles & layouts
<b>Configurable HMI</b>	For customer specific adaptation and future changes (Adaptable Airport layouts, free positioning of information, adaption of fonts & colours)
<b>Silent Coordination</b>	Inform controllers about relevant information, changes and critical situations (relevant briefings, runway direction change, blocking of runways, ...)
<b>Open for integration</b>	Interface existing systems (AWOS, Nav Aids, Sensors)
<b>Role Concept</b>	To adapt to customer operational needs (e.g. TWP, APP, ACC, MET office)
<b>Reliable Architecture and Validation</b>	For high availability and increased safety

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## FEATURE LIST

- Display of Met Data
  - Runway in Use
  - ATIS-Code (optional ARR / DEP separation)
  - QNH QFE
  - Transition level
  - Temperature and dew point
  - Cloud base and visibility
  - MET Condition
  - Date, time and sunrise - sunset time
  - Graphical and numerical wind indicators
  - Runway Visual Range (RVR)
  - Runway temperature
  - Wind Share Warnings and Weather Warnings
  - Reports (METAR, TAF, SIGMETS & AIRMETS)
- Display of critical status information
  - Instrument Landing System (ILS)
  - VHF Omni-directional Radio Range (VOR)
  - Distance Measurement Equipment (DME)
  - Non-Directional Beacon (NDB)
  - Surveillance sensors
  - Additional Information
- Display & Control of Direction Finders
  - Selection of Frequency
  - Suppression of transmission
  - QDM, QDR
- Controlling of
  - Runway direction
  - Runway closing
  - Runway blocking indication
  - Work Indication
  - Switching between different units (e.g. QNH)
- Management of Alarms & Notification
  - Auto Acknowledgements
  - History of Alarms
  - Configurable Alarm Sounds
  - Different Priorities
- Briefing Handling via
  - Free and Fixed Text messaging
  - Highlighting of Messages
  - Role Related Briefings
- Indication of critical changes
  - Blinking on Value Change
  - Highlighting Values dependant on Thresholds
  - Marking of information if data are outdated
- System Status Information
  - Status of relevant interface
  - Overall System health Status

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