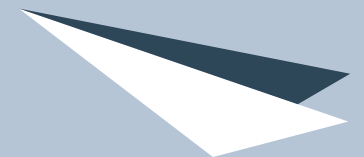




ACAMS Presentation

IFATSEA Euro - Conference 2026



About ACAMS



- ✓ Norwegian private limited company 
- ✓ HQ in Oslo, Norway
- ✓ Established in 2001

*“Remote Control, Monitoring and Display
Interfacing to any ATM, CNS and Airport systems”*

The Team

- ✓ Management, PM, R&D, Sales – Oslo
- ✓ Engineering support in Tunisia
- ✓ Local Sales & Technical support:
 - Brazil
 - Singapore
 - Canada
- ✓ Worldwide representation





Selected References

53
Airports/Airbases
in Norway

36
Airports/Airbases
in Brazil

8 Airports in
Papua New
Guinea

54 Airports in
India

20+
Airports/Airbases
in Saudi Arabia

Hamad Intl.
Airport – Doha,
Qatar

Abu Dhabi Intl.
Airport, UAE

4 Mobile TWRs,
Australia

Kuala Lumpur
intl. Airport &
Kuala Lumpur
ACC, Malaysia

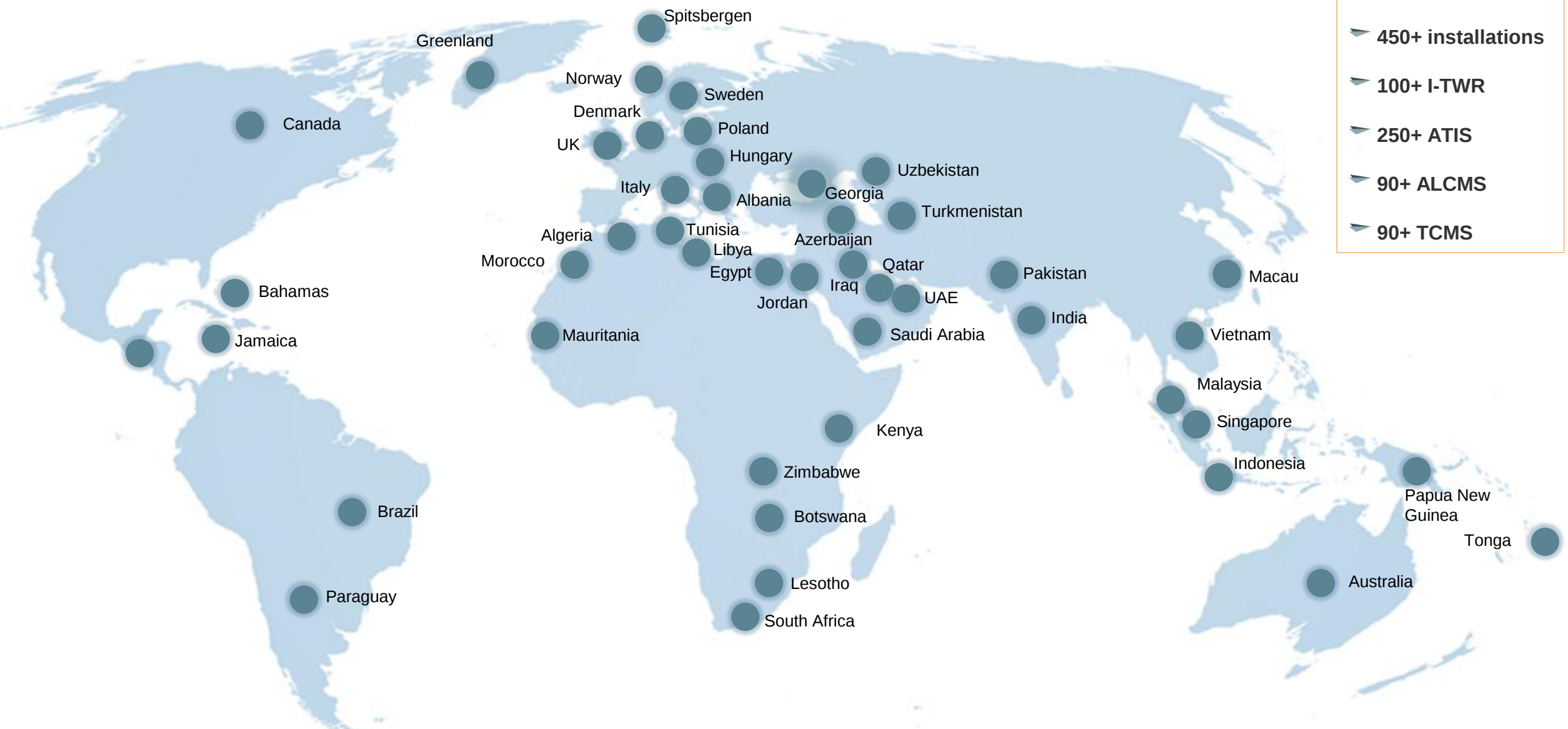
São Paulo–
Guarulhos Intl.
Airport, Brazil

Cairo Intl.
Airport, Egypt

Changi Airport &
Seletar Airport,
Singapore



References



- 45 Countries
- 450+ installations
- 100+ I-TWR
- 250+ ATIS
- 90+ ALCMS
- 90+ TCMS

ACAMS Solutions Portfolio

I-TWR

Integrated Tower

Remote Control & Monitoring and Information Display.

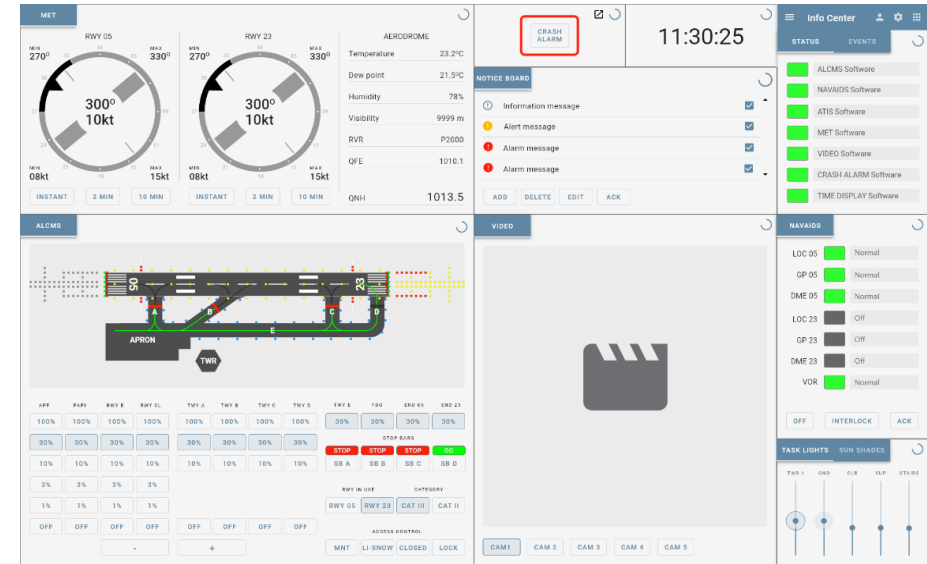
Integrating CNS system:

- NavAids
- MET
- Airfield Lighting
- Crash Alarm
- Power systems
- TWR Cabin auxiliaries

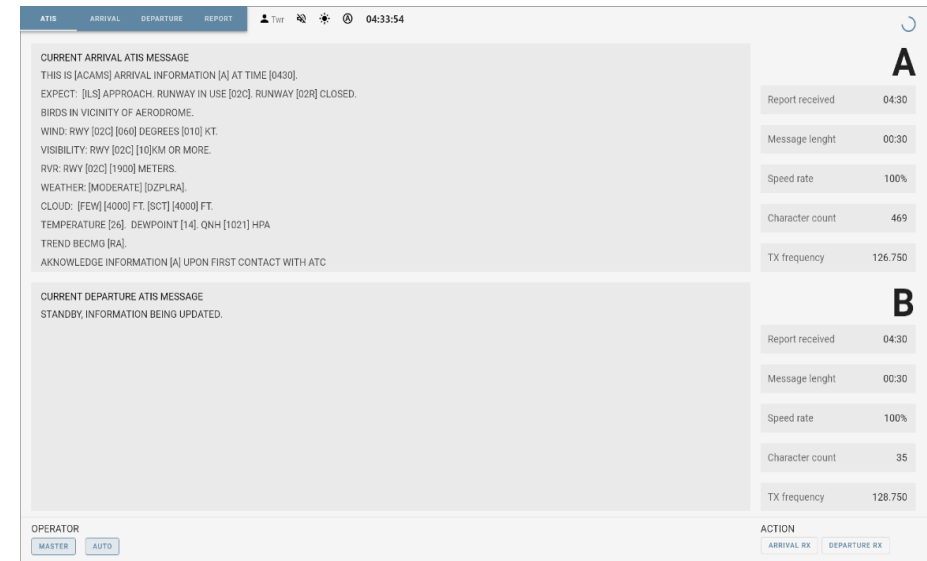
ATIS/D-ATIS & VOLMET/D-VOLMET

ATIS: Generate messages containing routine aerodrome and weather information to arriving and departing aircraft in both voice and digital data formats

VOLMET: Generate messages containing routine weather information for en-route aircraft in both voice and digital data formats



I-TWR



ATIS/D-ATIS

ACAMS Solutions Portfolio

TCMS

Technical Control and Monitoring System

Unified maintenance and management of any CMS system

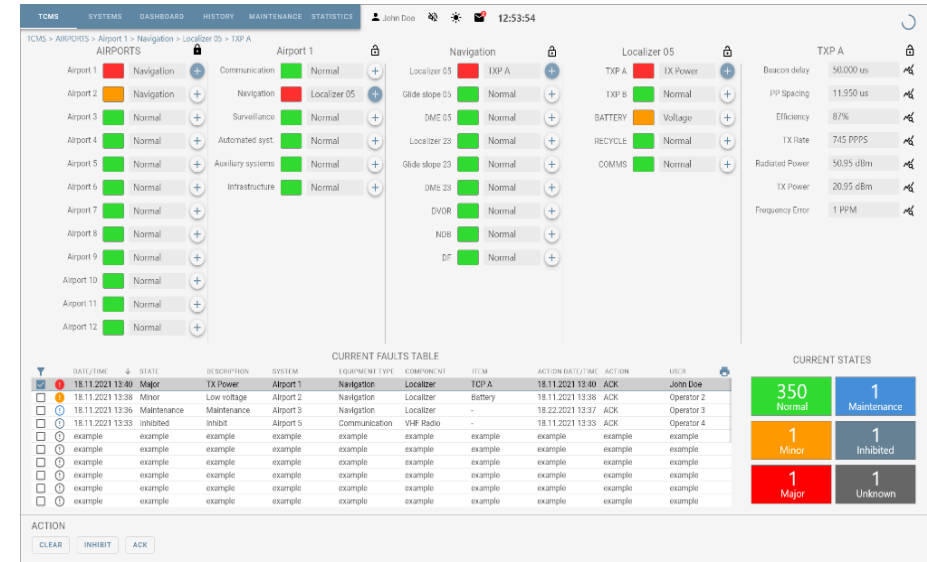
- Real time Status
- Operational statistics
- Maintenance Management

For single Airport use or regional/country -wide management

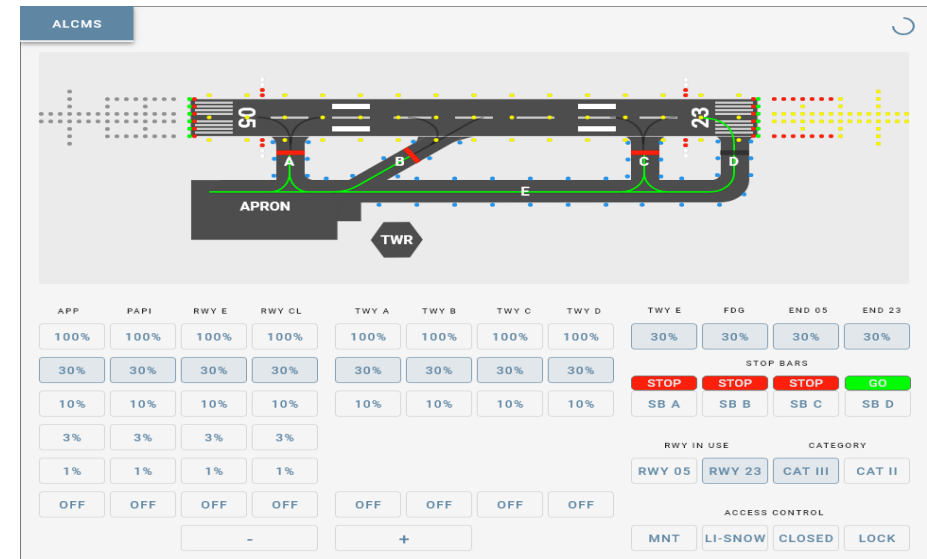
ALCMS

Airfield Lighting Control and Monitoring

Airfield lighting vendor independent ALCMS. Extensive functionality – adaptable for all size airports. Pilot Controlled Lighting available



TCMS



ALCMS

ACAMS Solutions Portfolio

CAS

Crash Alarm System

Emergency alert and call service.

Integrating:

- VoIP-based emergency calls
- Operator panel activation
- Physical crash buttons
- Status feedback from emergency system

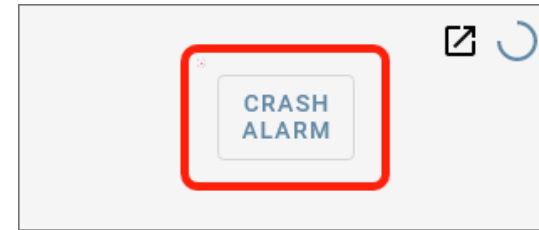
Operates as a stand-alone system or integrates seamlessly with R-TWR/I-TWR solutions

CAT Status

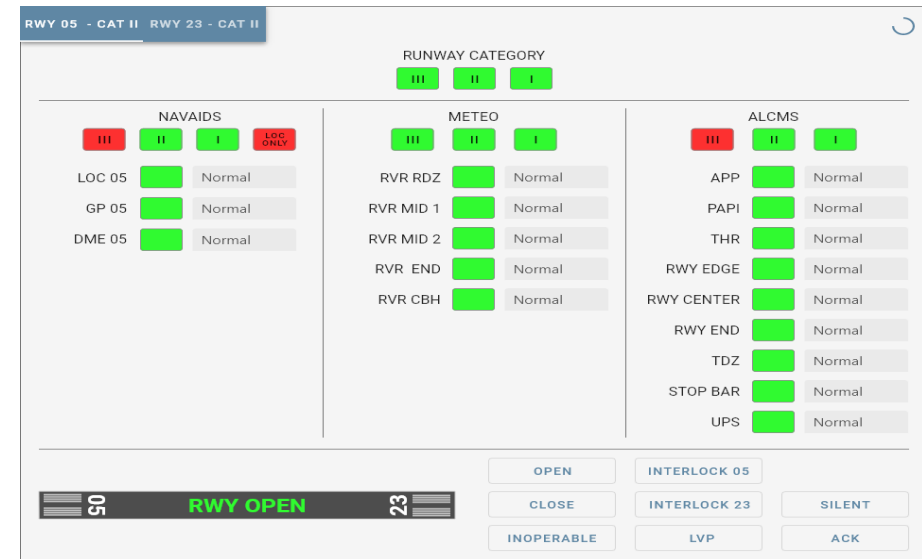
Runway category status monitoring, integrating:

- Nav aids and ILS interlock status
- MET data and LVP display
- Airfield lighting system monitoring

- Runway occupancy indication
- Visual and audible alarms



CAS



CAT Status Monitoring



ACAMS Digital / Remote TWR



Remote Tower Centre in Bodø, Norway

- Trusted by airports, ANSPs, CAAs in Norway (NINOX), Canada (DAATS), Brazil, Hungary, and Sweden
- Supporting modular, connected, and future-ready tower operations

ACAMS - Quality Assurance

- Meets all relevant ICAO standards
- Norwegian CAA regulatory authority endorsement
- Meets all relevant EU implementation regulations
- ISO 9001
- ISO 27001 (Information Security Management)
- ED 109A - Software Safety Assurance Considerations (AL4)



Customer statement Brazil

Trusted supplier of I-TWR solutions in Brazil since 2008

"Our continued collaboration with ACAMS and ATC Systems ensures we maintain operational excellence with a unified solution throughout the airports and benefit from the latest technological advancements, fully tailored to our national needs."

- Alexandre Arthur Massena Javoski,
Presidente da Comissão de Implantação do Sistema de Controle do Espaço Aéreo (CISCEA)

CISCEA is the engineering and procurement commission of DECEA (ANSP in Brazil).



PR – 2025:
Upgrade and modernization at 12 Brazilian airports



Customer statement Canada

Airport Systems Interface (ASI) for the DAATS remote tower program

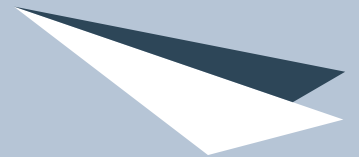
“The Kingston Digital Facility is a crucial component of NAV CANADA’s modernization efforts,” said **David Sheppard - VP & Chief Technology and Information Officer of NAV CANADA**.

“By leveraging ACAMS’ I-TWR technology to provide a standardized and interoperable platform, we are enhancing the efficiency and flexibility of our operations. This collaboration sets the stage for a future-proof infrastructure, ensuring we remain at the forefront of innovation in air traffic management.”

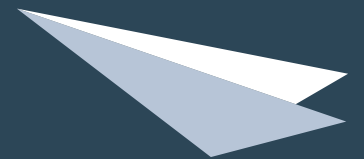


*PR – 2025:
Kingston Airport, Canada*

ACAMS Core Solutions



Integrated Tower (I-TWR)





I-TWR

Integrated and homogenous solution for monitoring, control and display

- Uniform “look and feel”
- Compact HMI for all sub-systems
- Real-time information at your fingertips
- Continuous logging
- Cost effective and flexible adaption



I-TWR - modules

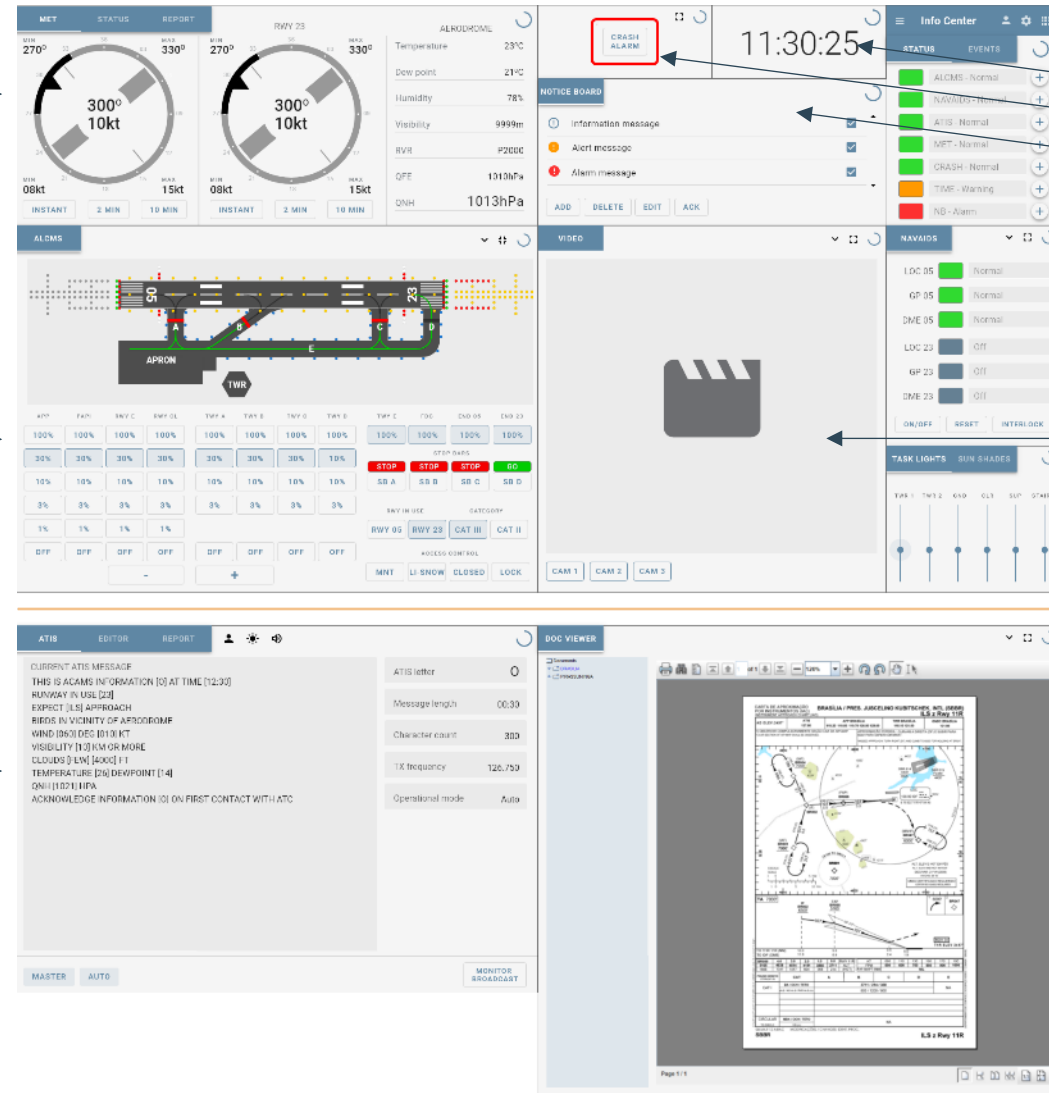
Example of ITWR modules:

- Meteorological information display

- Airfield lighting control and monitoring

- Automatic Terminal Information Service (ATIS)

Example - Main HMI



Example of ITWR modules:

- Time display
- Emergency systems / Crash Alarm
- Information exchange
- Info center

- Nav aids control and monitoring

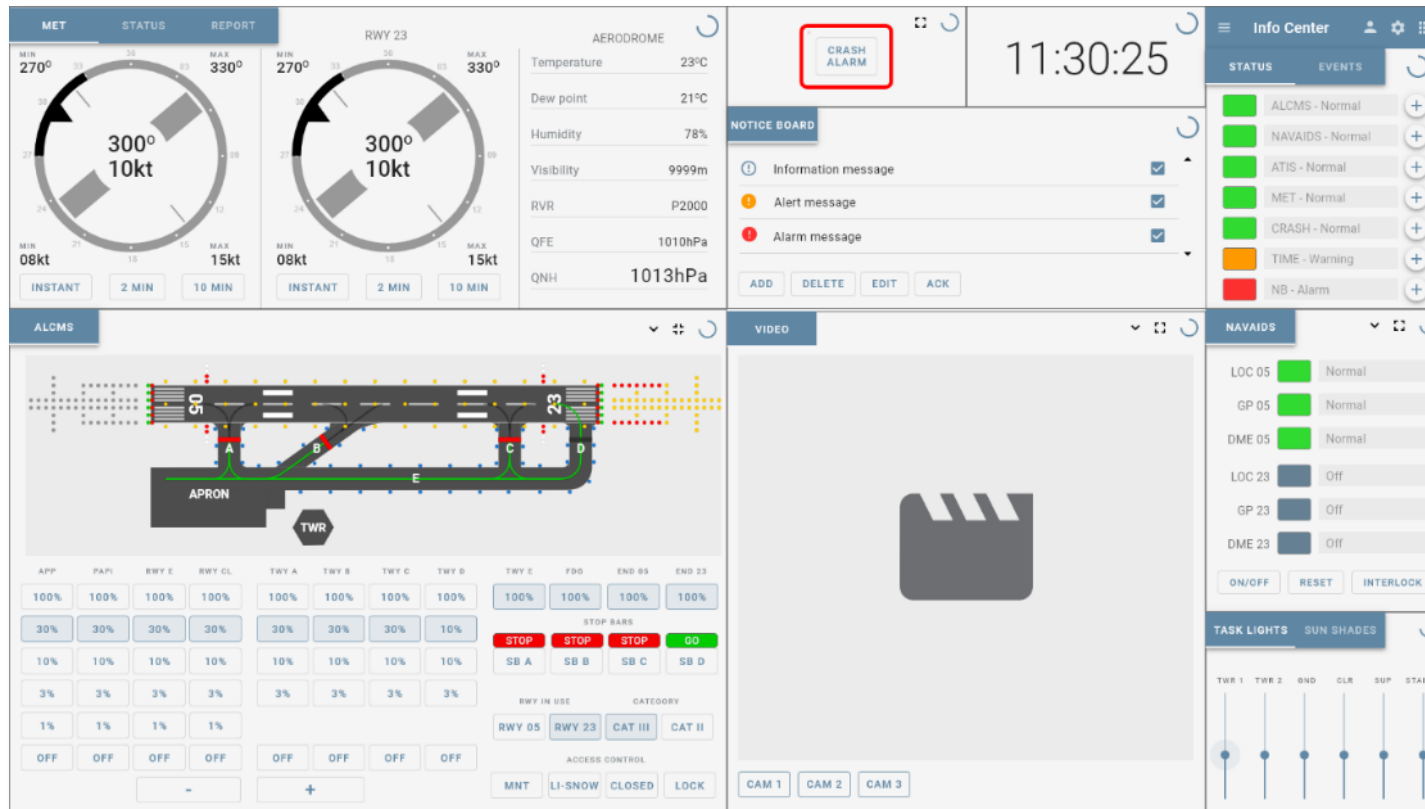
- Video surveillance

- Tower cabin environment

- Document handling

Example - Pop-up modules

I-TWR – single screen layout



ACAMS i6 I-TWR Light Mode Theme



ACAMS i6 I-TWR Dark Mode Theme

I-TWR – Digital / Remote Solution



Santa Cruz Airbase in Brazil

ITWR - São Paulo/Guarulhos International Airport





Advantages of ACAMS I-TWR



- Increased ATCOs' effectiveness and productivity
- Increased safety in critical moments
- Increased safety development process
- Enhanced ATCOs' work environment quality
- Increased ATCOs' work satisfaction

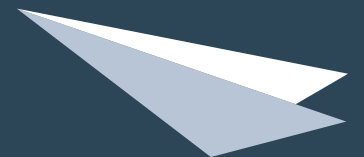


Selected I-TWR references

More than 90 I-TWR solutions sold globally, incl.:

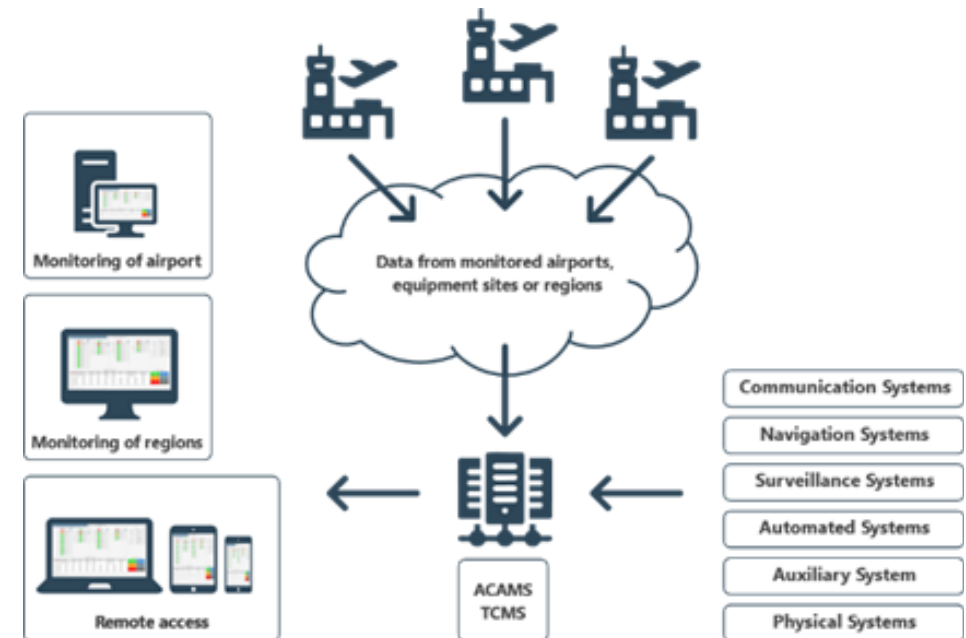
- Brazil – 36 airports
- Norway – 32 airports
- Australia
- Egypt
- UAE
- Tunisia
- Botswana
- India

Technical Control & Monitoring System (TCMS)



Technical Control and Monitoring System (TCMS)

- Collects status, failure and fault information from the ATC/CNS sub systems
- Performs processing and storage
- Displays information at a common HMI for all monitored systems
- Single airport or country-wide display
- Any type of interface supported
 - SNMP, Serial and I/O...
- **20+ years of experience in monitoring ATC systems**





TCMS interfaces to relevant ATC/CNS systems;

- Communication systems (VHF, VCCS, VSAT, Emergency Alarm systems, AFTN/AMHS)
- Surveillance systems (PSR, SSR, WAM, LAM, ADS-B)
- Navigation system (ILS, DVOR, DME, Markers, beacons)
- Automated systems (AWOS, Video surveillance, recording systems)
- Auxiliary systems (Power Generators, UPS, Airfield Ground Lighting)
- Physical hardware (Servers, workstations, switches, firewalls)

HMI example – Main display

➤ All monitored equipment status in one glance

➤ Current States Widget

➤ Current Faults table

TCMS

SYSTEMS DASHBOARD HISTORY MAINTENANCE STATISTICS

TCMS Admin 14:59:22

TCMS

GROUP 1

Ambon SURVEILLANC... +

Balikpapan SURVEILLANC... +

Banjarmasin SURVEILLANC... +

Kendari Communicatio... +

Blak OK +

Bali OK +

Cenkareng OK +

Jogjakarta OK +

Banda Aceh OK +

Kualaparu OK +

Jakarta INFRAS... +

Batam Communicatio... +

GROUP 2

Makassar SURVEILLANC... +

Palembang SURVEILLANC... +

Pangkalan Bur SURVEILLANC... +

Manado OK +

Kupang OK +

Merauke OK +

Palu OK +

Pekanbaru OK +

Padang OK +

Natuna OK +

Other location OK +

Palangkaraya Communicatio... +

GROUP 3

Surabaya OK +

Semarang SURVEILLANC... +

Sorong OK +

Waingapu OK +

Sentani OK +

Pontianak OK +

Tanjung Pinang OK +

SDMS East OK +

SDMS West OK +

SDPS DGCA Indon... OK +

CURRENT FAULTS

	DATE/TIME ↓	STATE	DESCRIPTION	SYSTEM	EQUIPMENT TYPE	COMPONENT	ITEM	ACTION DATE/TIME	ACTION	USER
☐	09-01-2023 08:49:12	INHIBITED	INHIBIT	Sentani	Radar	RCM	Valid and Correct A-Code	09-01-2023 08:49:12	INHIBIT	TCMS Admin
☐	05-01-2023 10:36:12	MAINTENANCE	MAINTENANCE	Surabaya	RL2000		PSRCommon	05-01-2023 10:36:12	MAINTENANCE	TCMS System
☐	05-01-2023 10:36:12	MAINTENANCE	MAINTENANCE	Surabaya	RadarCommon		APOID4	05-01-2023 10:36:12	MAINTENANCE	TCMS System
☐	05-01-2023 10:36:12	MAINTENANCE	MAINTENANCE	Surabaya	RadarCommon		AILANA	05-01-2023 10:36:12	MAINTENANCE	TCMS System
☐	05-01-2023 10:36:12	MAINTENANCE	MAINTENANCE	Surabaya	RL2000		TEXCB	05-01-2023 10:36:12	MAINTENANCE	TCMS System
☐	05-01-2023 10:36:12	MAINTENANCE	MAINTENANCE	Surabaya	RL2000		RL2000	05-01-2023 10:36:12	MAINTENANCE	TCMS System
☐	05-01-2023 10:36:12	MAINTENANCE	MAINTENANCE	Surabaya	RL2000		RDEA	05-01-2023 10:36:12	MAINTENANCE	TCMS System
☐	05-01-2023 10:36:12	MAINTENANCE	MAINTENANCE	Surabaya	RadarCommon		RotationSSR	05-01-2023 10:36:12	MAINTENANCE	TCMS System

ACTIONS

CLEAR INHIBIT ACK

CURRENT STATES

300 Normal

49 Maintenance

0 Warning

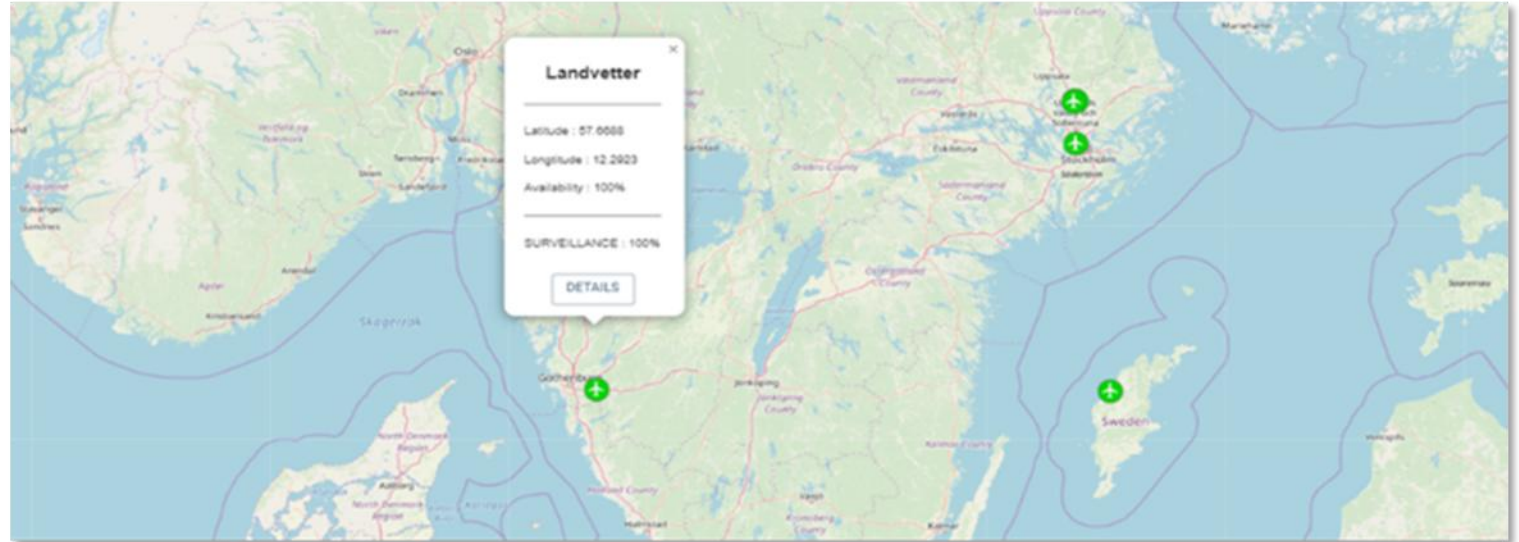
1 Inhibited

1 Alarm

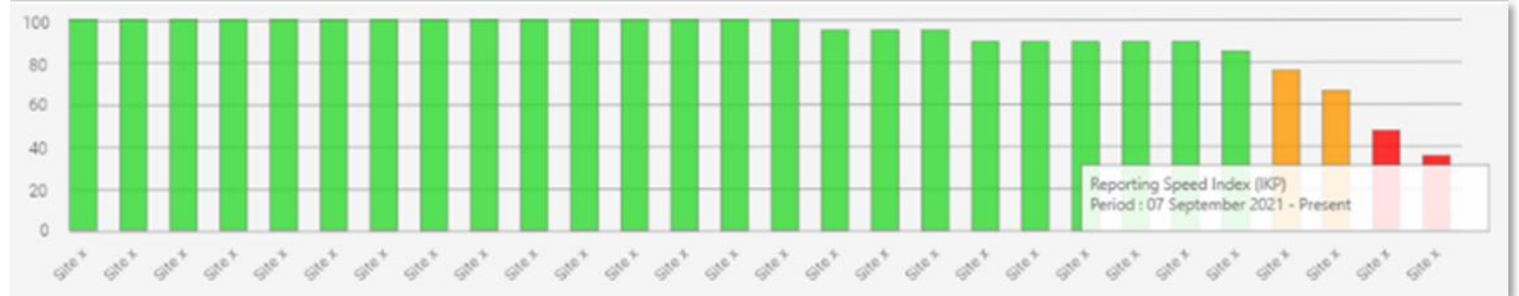
301 Unknown

HMI example – Dashboard with map and statistics

Map widget



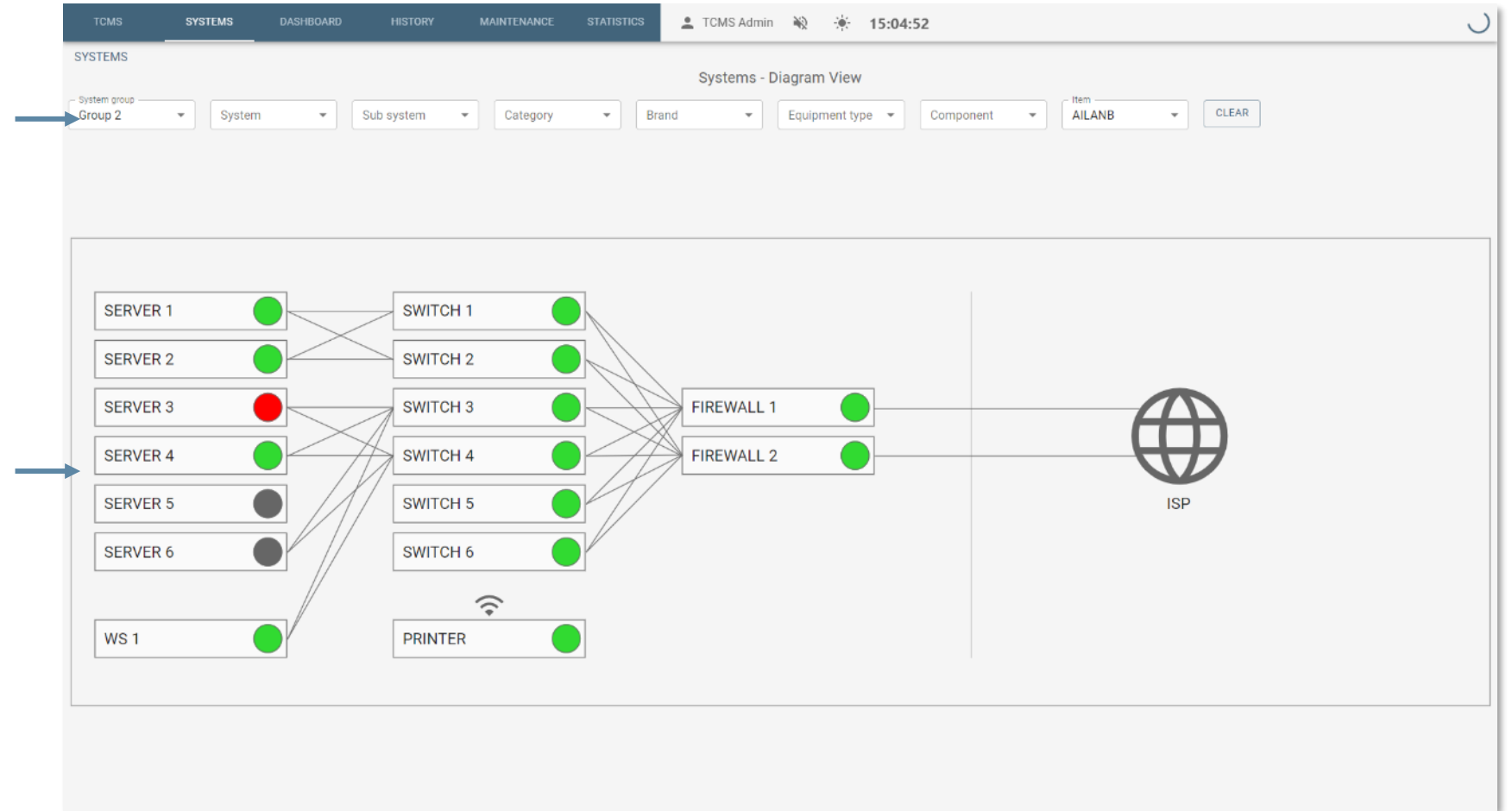
Bar chart widget displaying desired statistics



HMI example – Systems - Diagram View

- Filtering options

- Diagram view of any node level in the hierarchy



HMI example – Maintenance

- List of work orders

- Creation of new work orders

The screenshot displays the 'Maintenance' section of the TCMS interface. The top navigation bar includes 'TCMS', 'SYSTEMS', 'DASHBOARD', 'HISTORY', 'MAINTENANCE', and 'STATISTICS'. The user is logged in as 'TCMS Admin' at 15:07:53. The main area shows a table titled 'Maintenance Current' with columns: REF NR., DATE/TIME, STATE, SYSTEM, CATEGORY, BRAND, EQUIPMENT TYPE, COMPONENT, ITEM, START TIME, END TIME, CREATED BY, ASSIGNED TO, TYPE, and PRIORITY. Two entries are listed: REF NR. 44 (DELAYED, Makassar) and REF NR. 43 (IN PROGRESS, Surabaya). Below the table, it says '2 entries returned'. At the bottom left, an 'ACTION' bar contains buttons for 'ADD', 'EDIT', 'DELETE', and 'UNDO'. A dashed blue arrow points from the 'ADD' button to a modal window titled 'ADD MAINTENANCE ENTRY'. The modal contains several dropdown menus: System (Kualanamu), Category (SURVEILLANCE), Brand (INTERSOFT SMS), Equipment Type (Radar), Component (RCD), Item (Range Accuracy), Assigned to (TCMS Admin), and Priority (Medium). It also has date pickers for Start Time/Date (10/01/2023 02:10) and End Time/Date (11/01/2023 14:09). A note states: '* Local time will be converted to UTC time automatically'. Below these fields is a text area labeled 'Work Order' containing the text 'Maintenance work orders are easily added and assigned using ACAMS TCMS'. At the bottom of the modal are 'OK' and 'CANCEL' buttons.

REF NR.	DATE/TIME	STATE	SYSTEM	CATEGORY	BRAND	EQUIPMENT TYPE	COMPONENT	ITEM	START TIME	END TIME	CREATED BY	ASSIGNED TO	TYPE	PRIORITY
44	31-12-2022 08:16:00	DELAYED	Makassar						08-11-2022 13:09:00	31-12-2022 03:16:00	TCMS Admin	Sami Kammoun	MAINTENANCE	Low
43	01-12-2022 08:21:03	IN PROGRESS	Surabaya						08-11-2022 13:09:00		TCMS Admin	Sergei Ponomarev	MAINTENANCE	Low

2 entries returned

ADD MAINTENANCE ENTRY

System *: Kualanamu
Category: SURVEILLANCE
Brand: INTERSOFT SMS
Equipment Type: Radar
Component: RCD
Item: Range Accuracy
Assigned to *: TCMS Admin
Priority *: Medium
Start Time/Date *: 10/01/2023 02:10
End Time/Date: 11/01/2023 14:09
* Local time will be converted to UTC time automatically

Work Order

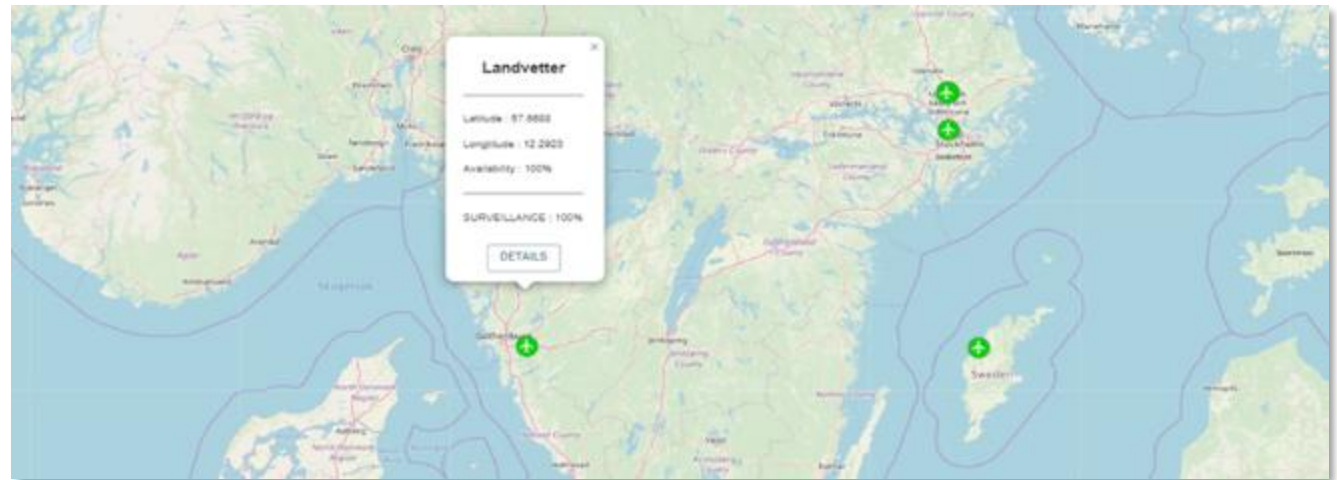
Maintenance work orders are easily added and assigned using ACAMS TCMS

OK CANCEL



Advantages of ACAMS TCMS

- Centralized control & monitoring
- Interfaces to all relevant ATC/CNS equipment
- Full access to same HMI as on remote sites
- Optimizes manning
- Secures professional monitoring and corrective actions



Countrywide Technical Control & Monitoring Sweden



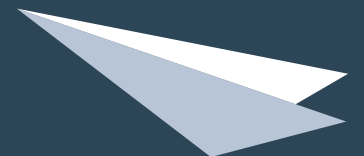
Selected TCMS references

More than 90 TCMS installation, incl.:

- All I-TWR installations
- Norway
- Sweden
- Brazil
- Indonesia
- Malaysia
- Qatar
- Pakistan
- Saudi Arabia



ATIS / D-ATIS
VOLMET / D-VOLMET

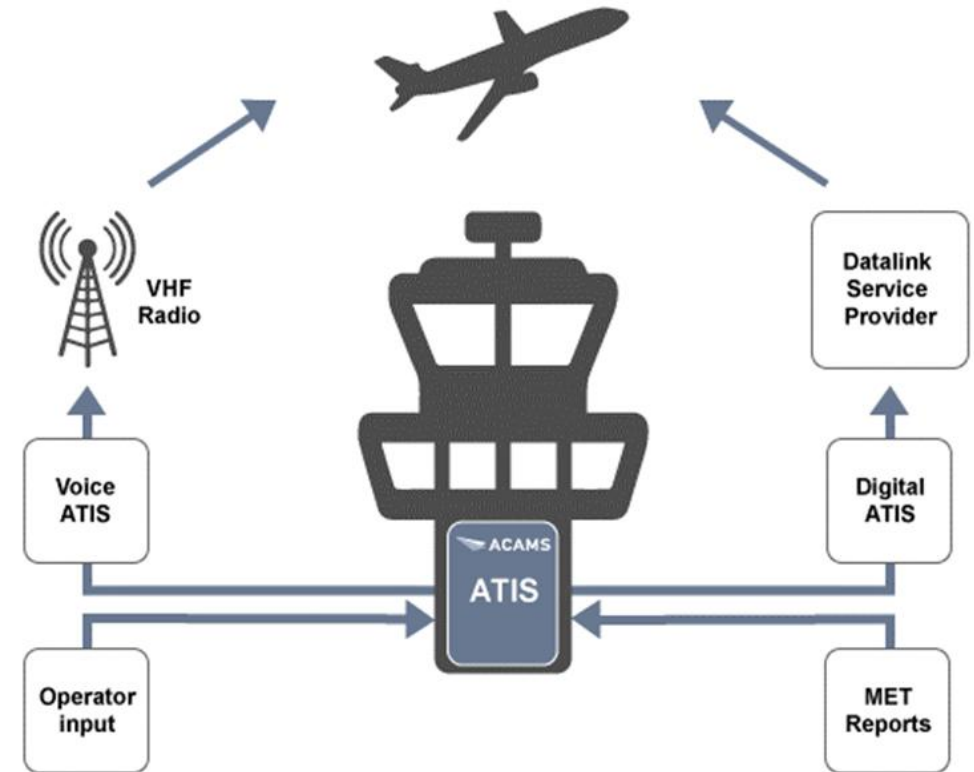




ATIS / D-ATIS

ATIS provides pilots with necessary airport information continuously, by the means of:

- Input
 - Automatic data import from MET/METAR messages
 - Operator input regarding airport conditions (templates or free text)
- Output
 - Broadcasting of Voice-ATIS via radio (Analogue/Digital ED-137 B/C)
 - Provision of Datalink-ATIS message via connection to Datalink network provider
 - Data to AMHS, Data / Text to AFTN (Optional)



Automatic Terminal Information Service

ATIS user interface

- User friendly interface
- Automatic extraction of monitored parameters
- Free text with a minimum of operator input
- Automatic validation of input data
- Possible to configure:
 - Multiple operator terminals
 - Dualized architecture available
 - Full Datalink compliance (D-ATIS/D-VOLMET)

The screenshot shows the ATIS user interface in light mode. The top navigation bar includes tabs for ATIS, ARRIVAL, DEPARTURE, and REPORT, along with user and system icons and a clock showing 04:33:54. The main content area is divided into two sections: 'CURRENT ARRIVAL ATIS MESSAGE' and 'CURRENT DEPARTURE ATIS MESSAGE'. The arrival message contains detailed flight information including aircraft type, time, approach, runway status, wind, visibility, weather, cloud, temperature, dewpoint, QNH, and trend. The departure message is currently in a standby state. On the right side, there are two panels labeled 'A' and 'B', each displaying a list of parameters: Report received, Message length, Speed rate, Character count, and TX frequency. At the bottom, there are buttons for 'OPERATOR' (MASTER and AUTO) and 'ACTION' (ARRIVAL RX and DEPARTURE RX).

ATIS light mode

This screenshot displays the ATIS user interface in dark mode. The layout is identical to the light mode version, featuring the same navigation tabs, main message sections, and right-hand parameter panels. The color scheme is inverted, with a dark background and light-colored text and UI elements. The clock at the top right shows 12:53:54. The 'CURRENT ARRIVAL ATIS MESSAGE' and 'CURRENT DEPARTURE ATIS MESSAGE' sections contain the same text as in the light mode screenshot. The parameter panels on the right (A and B) also show the same data. The bottom controls for 'OPERATOR' and 'ACTION' are also present.

ATIS dark mode



Advantages of ACAMS D-ATIS / D-VOMET

- Automatic text to digitized human voice conversion
- COTS Computer based system
- Selectable Operation Modes
 - Automatic / Manual
- Combined or Separate Arrival and Departure Messages
- Selectable update rate
- Automatic validation of data
- Playback feature for “off air” manual verification
- Sophisticated Management system
- Individual Aerodrome Configuration settings
- User definable Voice adaptations
 - Voice type
 - Volume
 - Speed
- Automatic Transition Level calculation
- ATIS Log Player or VOLMET Log Player
 - Logging of all Transmitted messages
 - Logging of all data input (METAR/AMHS)
 - Review and Replay of logged messages and Met input
- Voice Modem for Telephone access (optional)
- Dual language (option)
- Datalink Clearance DCL (Option)
- Datalink message Broker (Option)



Selected ATIS/VOLMET references

More than 250 ATIS / D-ATIS systems sold, incl.:

- Norway (21 airports/airbases)
- Saudi Arabia (18 airports/airbases)
- Brazil (36 airports/airbases)
- Jordan
- Indonesia
- Turkmenistan
- Paraguay
- South Africa
- Morocco: 7 D-ATIS and D-VOLMET country-wide
- Mauritania
- Hungary D-ATIS/ D-VOLMET
- PNG Country-Wide D-ATIS
- Singapore Changi Intl' Airport
- Iraq
- India (56 airports)

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2mo • Edited •

ACAMS Airport Tower Solutions will supply upgraded ATIS solution to integrate with Vaisala and Indra for mirtWR remote tower in Budapest, Hungary.

https://lnkd.in/dh_Q78-u

#airtrafficcontrol #atc #aviationtechnology #aviationindustry #aerospace
#airtrafficmanagement #flightsafety #CommunicationSystems
#airportmanagement #ATIS #metar #Metreport #data



News
acams.com • 2 min read
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We are excited to strengthen our business in Saudi Arabia!

ACAMS Airport Tower Solutions recently welcomed Mr. Faisal Mallick, Head of System Design at Nudhum, to our HQ in Oslo. We discussed future business opportunities in Saudi Arabia and completed a successful FAT for D-ATIS delivery to the Royal Saudi Air Force at King Salman Air Base in Riyadh.

"We are grateful for this visit by Nudhum management, looking forward to continuing to deliver innovative and cost-effective solutions to the military and civilian sectors in Saudi Arabia."
- Pål Gulbrandsen, International Sales Manager at ACAMS

Learn more about ACAMS's D-ATIS solution: <https://lnkd.in/dmwjexEP>

#ATIS #AirTrafficControl #CNS #SaudiArabia #BusinessOpportunities #airforce #airport #IT #systemintegration #technology #military



Svein Roger Simonsen and 23 others
4 comments • 3 reposts

ACAMS Airport Tower Solutions
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3mo •

ACAMS will supply a packaged system of ATIS and TCMS to be installed in the new Red Sea International Airport in the Kingdom of Saudi Arabia.

The airport is an integrated part of The Red Sea Project, which is an ambitious development project aiming to develop the regions potential for luxury- and ecotourism. The end user is Saudi Air Navigation Services Company (SANS), which is very familiar to ACAMS solutions after many previous ACAMS-installations within the Kingdom.

... #KSA #ATIS #TCMS
[n/dnEzki_v](https://lnkd.in/dnEzki_v)



in read
others
4 reposts

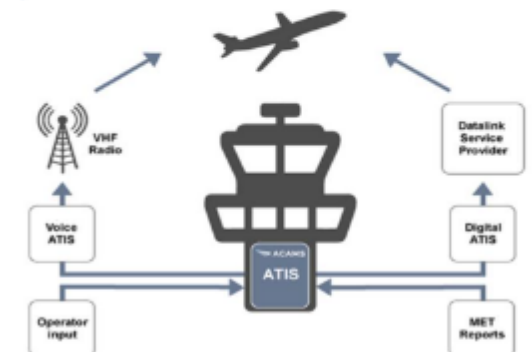
ACAMS Airport Tower Solutions
717 followers
7mo •

ACAMS has secured a delivery contract of 4 D-ATIS systems to Kenya!

The contract includes supply, delivery installation, configuration, and commissioning of D-ATIS systems to:

- Jomo Kenyatta International Airport
- Moi International Airport
- Eldoret International Airport
- Kisumu International Airport

Click on the link below to read more:
[#kenya #ATM #ATIS](#)



News
acams.com • 1 min read



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