



Airport Control & Monitoring System



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With more than 25 years of experience, the team behind AirSea Technology delivers high end equipment and world class service to airports, heliports, high rise buildings, wind turbine farms, and waterways.

Our deep industry knowledge and hands on expertise ensure that every customer receives reliable solutions tailored to the most demanding environments.

We take pride in offering state of the art products that not only meet the highest international standards but also prioritize environmental responsibility.

Our portfolio is built on strong partnerships with leading global manufacturers known for their uncompromising quality and innovative engineering.

At AirSea Technology, exceptional service and support are at the core of everything we do.

From installation and maintenance to long term operational reliability, we are committed to keeping your critical infrastructure running safely and efficiently.

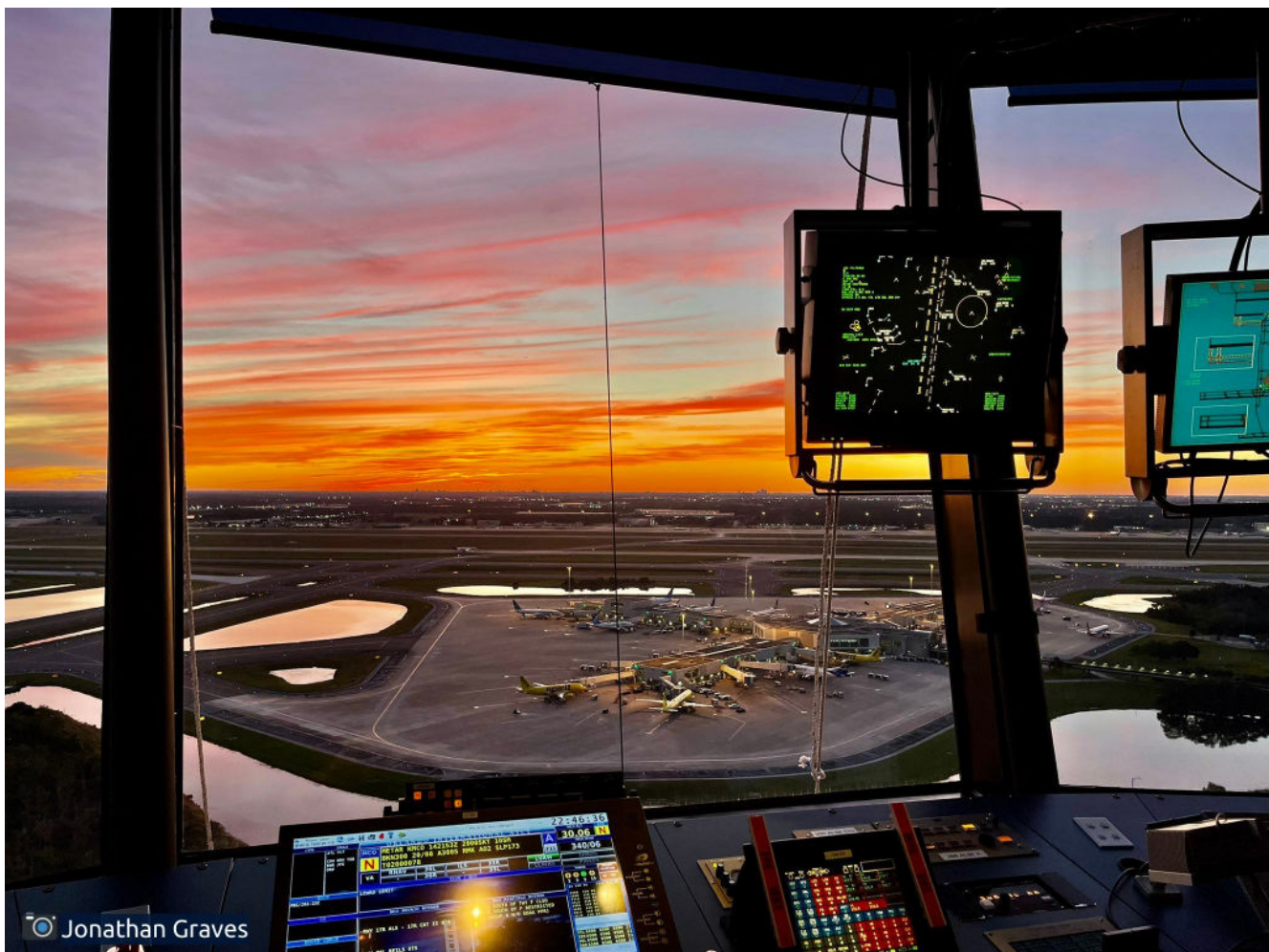
If your Heliport is missing essential equipment, we are ready to assist.

Get in touch with us – we're here to help.



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ICMS – Integrated Control & Monitoring System



Smart Control. Total Awareness. Maximum Safety.

ICMS by Bi-Technics, in partnership with AirSea Technology, is a cutting-edge solution for modern towers. Built on proven COTS hardware and advanced software, ICMS integrates airfield lighting, NavAids, weather, and critical data into one intuitive interface—giving Air traffic controllers the power to act fast and confidently.

Why Choose ICMS?

- Boost Productivity: Simplify complex decisions with streamlined workflows.
- Enhance Safety: Access critical information when it matters most.
- Seamless Integration: Modular architecture tailored to your needs.
- Future-Ready: Scalable, reliable, and designed for continuous operations.

Key Features:

- Redundant architecture for uninterrupted service
- Customizable HMI for optimal user experience
- High-performance servers and fiber-optic connectivity
- Advanced alarm management and maintenance tools

ICMS – Because every second counts in the tower.

ACMS – Airfield Control & Monitoring System

Precision Control. Seamless Integration. Total Reliability.

The **ACMS** by **Bi-Technics** is a state-of-the-art **Airfield Lighting Control and Monitoring System**, designed from decades of expertise in the **CNS/ATM domain**. Built on proven **COTS hardware** and advanced software, ACMS delivers **unmatched flexibility and scalability** for modern airfield operations.

Why ACMS?

ACMS gives you **complete control and visibility** of all airfield lighting systems through a **modular architecture** that adapts to your needs. Whether you require a standalone solution or a fully integrated tower system, ACMS ensures **efficiency, safety, and reliability**—with no compromise.

Key Benefits:

- **Full Lighting Control:** Manage approach lights, runway edge and centerline, PAPI, taxiway lights, and more.
 - **Universal Compatibility:** Seamlessly interfaces with equipment from multiple manufacturers, including Single Lamp Control Systems.
 - **Scalable Design:** Add modules without complex backplane requirements for future expansion.
 - **Redundant Architecture:** Ensures uninterrupted operations even in critical situations.
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Smart Architecture

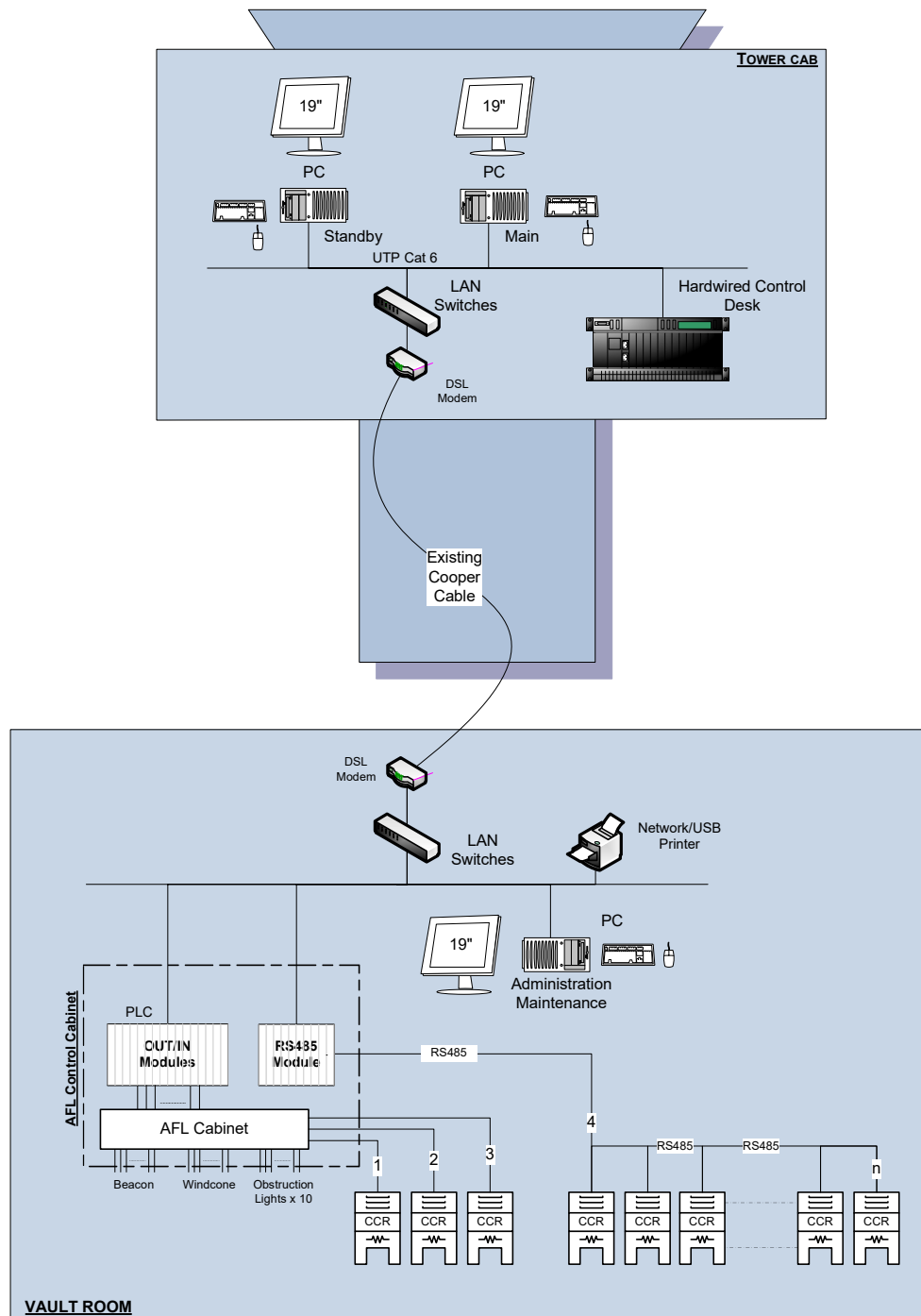
- **High-performance servers & workstations** with hot-standby configuration for maximum uptime.
 - **Fiber Optic/Ethernet connectivity** for robust communication.
 - **Relational database** for efficient data management.
 - **Emergency Control Desk** option for ultimate fail-safe operation.
 - **Advanced HMI** using state-of-the-art COTS monitors for superior user experience.
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ACMS – The backbone of safe, efficient airfield operations.

ACMS

Airfield Control & Monitoring System

Standard Block Diagram



RCMS-Remote Control & Monitoring System

The **RCMS** by **Bi-Technics** is a powerful solution for **remote monitoring and control**, designed to keep your critical systems connected and operational—whether at a single airport or across an entire region. Built on **COTS hardware** and advanced software, RCMS combines **flexibility, scalability, and reliability** for modern air traffic operations.

Why RCMS?

RCMS gives you **real-time visibility and control** of essential ATC systems from anywhere. Its modular architecture allows easy integration with other Bi-Technics solutions, ensuring a **future-ready platform** that grows with your needs.

Key Benefits:

- **Centralized Monitoring:** Manage multiple sites from one interface.
 - **Optimized Staffing:** Reduce manning requirements without compromising safety.
 - **Professional Handling:** Ensure correct actions through standardized workflows.
 - **Scalable Design:** Expand from local to nationwide coverage effortlessly.
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What RCMS Controls

- **ATC Systems:** NavAids, shelters, gensets, UPS, VHF/UHF radios.
 - **Weather Systems:** Full integration for situational awareness.
 - **Other Critical Infrastructure:** Continuous polling for accurate status updates.
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Smart Architecture

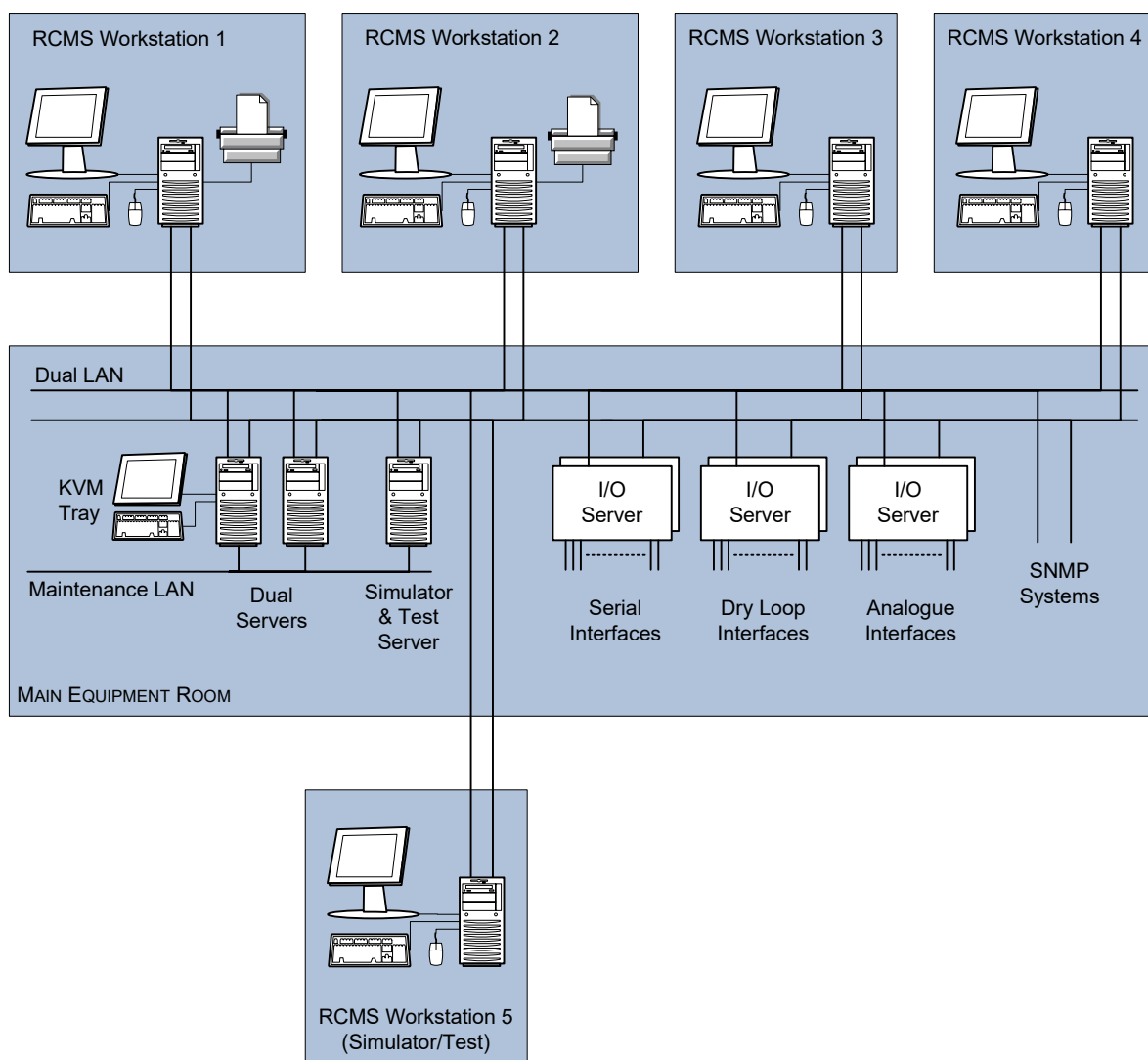
- **High-performance servers & workstations** with hot-standby redundancy.
 - **Fiber Optic/Ethernet connectivity** for robust communication.
 - **Relational database** for efficient data management.
 - **Advanced HMI** using state-of-the-art COTS monitors for superior usability.
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RCMS – Your command center for safe, efficient air traffic operations.

RCMS

Remote Control & Monitoring System

Standard Block Diagram



WMS – Weather Monitoring System

Real-Time Weather Intelligence for Safer Air Traffic Operations

The **WMS** by **Bi-Technics** is a high-performance **Weather Monitoring System** designed to deliver accurate, real-time data to air traffic controllers and airport operations teams. Built on **COTS hardware** and advanced software, WMS ensures **precision, reliability, and scalability** for modern aviation environments.

Why WMS?

Weather conditions can change in seconds—and WMS keeps you ahead. With continuous monitoring of critical parameters, WMS provides **instant visibility** into the data that matters most for flight safety and operational efficiency.

Key Benefits:

- **Accurate Data:** Monitor wind speed, wind direction, QNH/QNE, temperature, and more.
 - **Enhanced Safety:** Deliver real-time weather insights for informed decision-making.
 - **Modular Design:** Easily integrate with other Bi-Technics systems for a complete tower solution.
 - **Redundant Architecture:** Ensures uninterrupted monitoring even in critical conditions.
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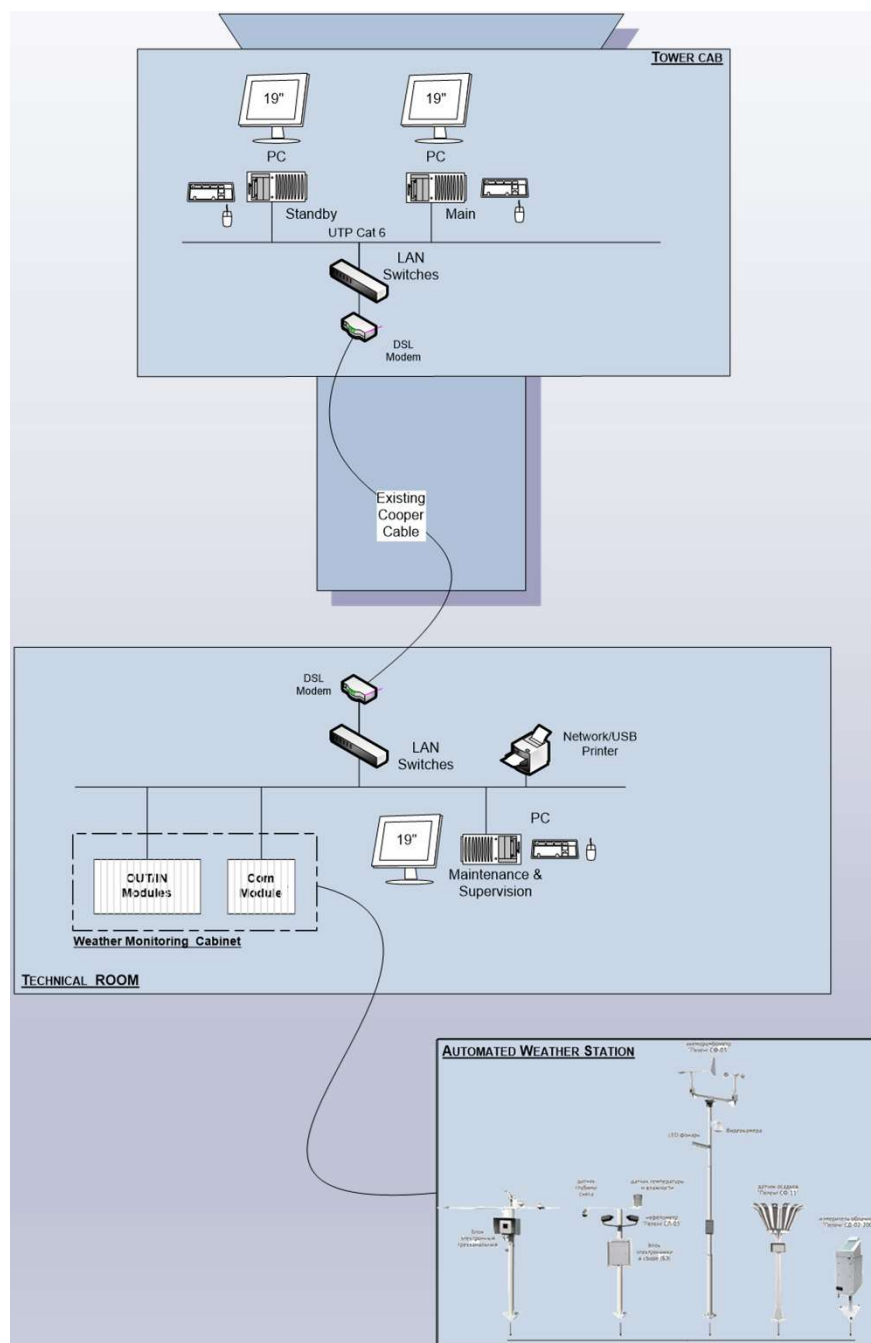
Smart Architecture

- **High-performance servers & workstations** with hot-standby redundancy.
 - **Fiber Optic/Ethernet connectivity** for robust communication.
 - **Relational database** for efficient data management.
 - **Advanced HMI** using state-of-the-art COTS monitors for superior usability.
-

WMS – Because every decision starts with accurate weather data.

WMS Weather Monitoring System

Standard Block Diagram



NCMS – NavAids Control & Monitoring System

Precision Navigation. Total Control. Unmatched Reliability.

The **NCMS** by **Bi-Technics** is a cutting-edge solution for **Navigation Aids control and monitoring**, designed to keep your critical systems operating flawlessly. Built on proven **COTS hardware** and advanced software, NCMS delivers **real-time visibility, centralized control, and seamless integration** for modern air traffic operations.

Why NCMS?

NCMS ensures **maximum safety and efficiency** by consolidating all NavAids into a single, intuitive interface. Its modular architecture allows easy expansion and integration with other Bi-Technics systems—making it the perfect foundation for a **future-ready tower solution**.

Key Benefits:

- **Comprehensive Control:** Monitor and manage Localizer, Glide Path, DME, VOR/DVOR, NDB, TACAN, and more.
 - **Universal Compatibility:** Interfaces with equipment from multiple manufacturers.
 - **Scalable Design:** Add modules without complex backplane requirements.
 - **Redundant Architecture:** Guarantees uninterrupted operations in critical conditions.
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Smart Architecture

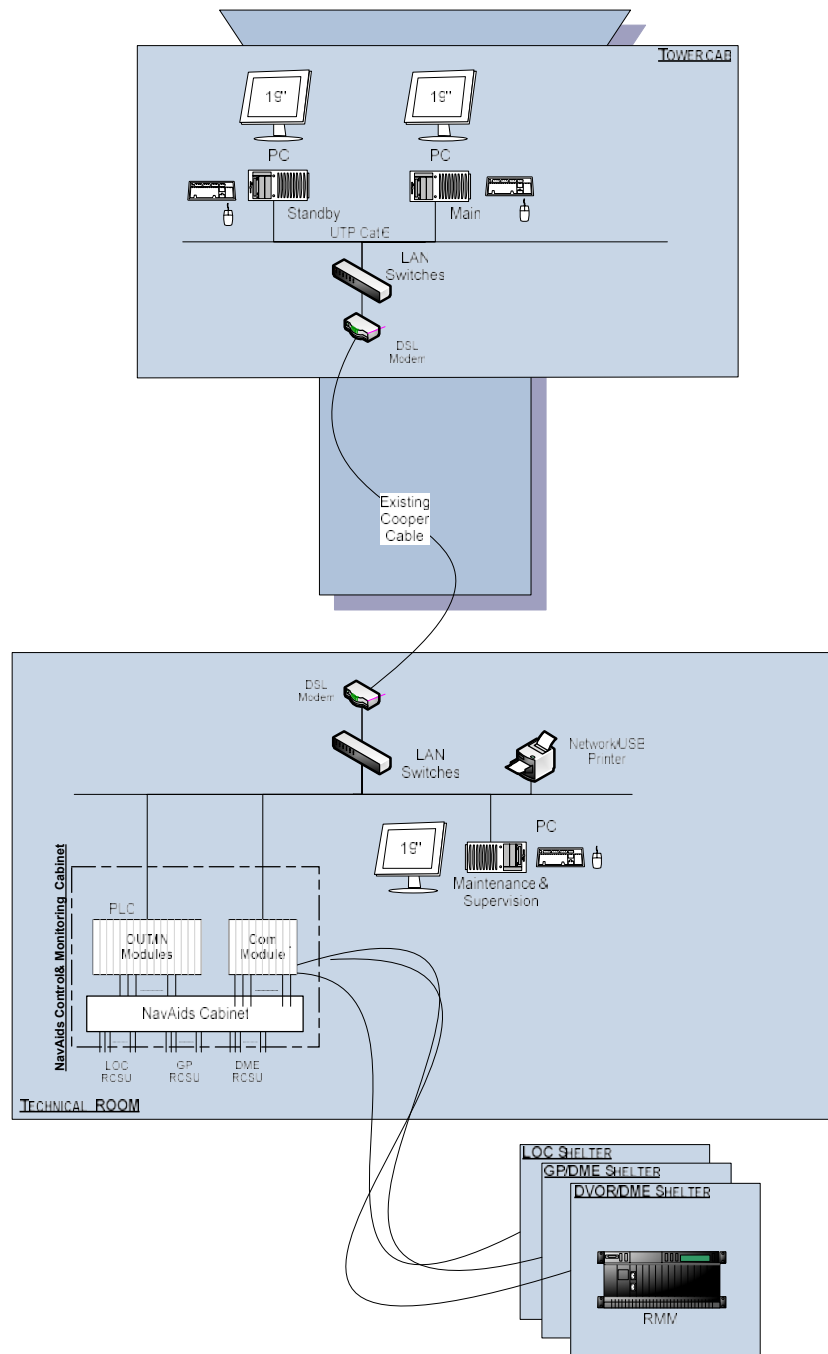
- **High-performance servers & workstations** with hot-standby redundancy.
 - **Fiber Optic/Ethernet connectivity** for robust communication.
 - **Relational database** for efficient data management.
 - **Advanced HMI** using state-of-the-art COTS monitors for superior usability.
 - **Optional Technical Position:** Alarm management and system configuration for maintenance teams.
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NCMS – Because precision navigation starts with reliable control.

NCMS

NavAids Control & Monitoring System

Standard Block Diagram



OCMS - Other Control & Monitoring System

The **OCMS** by **Bi-Technics** brings together all essential tower functions into a **single, integrated platform**. Built on **COTS hardware** and advanced software, OCMS ensures **efficiency, safety, and simplicity** by centralizing control of multiple systems under one intuitive HMI.

Why OCMS?

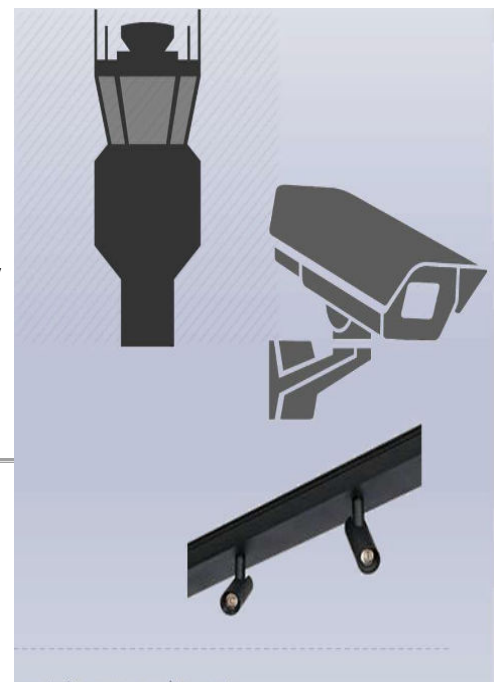
OCMS is designed to **streamline tower operations**, giving controllers easy access to critical tools and information without switching between systems. Its modular architecture allows seamless integration with **ICMS** and other Bi-Technics solutions—creating a **future-ready tower environment**.

Key Benefits:

- **Unified Control:** Manage tower shades, spotlights, AIP displays, CCTV, and entrance control from one interface.
- **Ergonomic Design:** Provides AIP documents in a clear, user-friendly format.
- **Flexible Deployment:** Operates from all tower positions—TWR, GND, Supervisor, Clearance, and more
- **Scalable Architecture:** Add modules without complex hardware changes.

Smart Architecture

- **High-performance servers & workstations** with hot-standby redundancy.
- **Fiber Optic/Ethernet connectivity** for robust communication.
- **Relational database** for efficient data management.
- **Advanced HMI** using state-of-the-art COTS monitors for superior usability.



OCMS – Simplifying tower operations for maximum efficiency.



For more information
Contact us for



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