Micro Nav provide two core display solutions for our Tower simulators:

Monitor-Based Display Systems

Monitor-based displays offer flexible deployments, taking the form of a single large monitor, or several displays lined up together. The flexibility offered by monitor-based solutions makes them ideal for prospective customers constrained by space when considering a simulator installation.

While monitor-based solutions cannot present the continuous, uninterrupted image offered by projector-based solutions, their bezels do mimic the view from a tower window.

Additionally, monitor-based display solutions rarely require a cooling system, offer greater flexibility in image quality, and benefit from Micro Nav's Geometry Correction for Flat Panels (GCFP) technology.

Projector-Based Display Systems

Projector-based display systems are more immersive, offering superior Horizontal and Vertical Fields of View. Micro Nav enhances its projector-based display systems with the supply of its patented Automatic Display Alignment System (ADAS), maintaining optimal alignment throughout the displays operational lifetime.
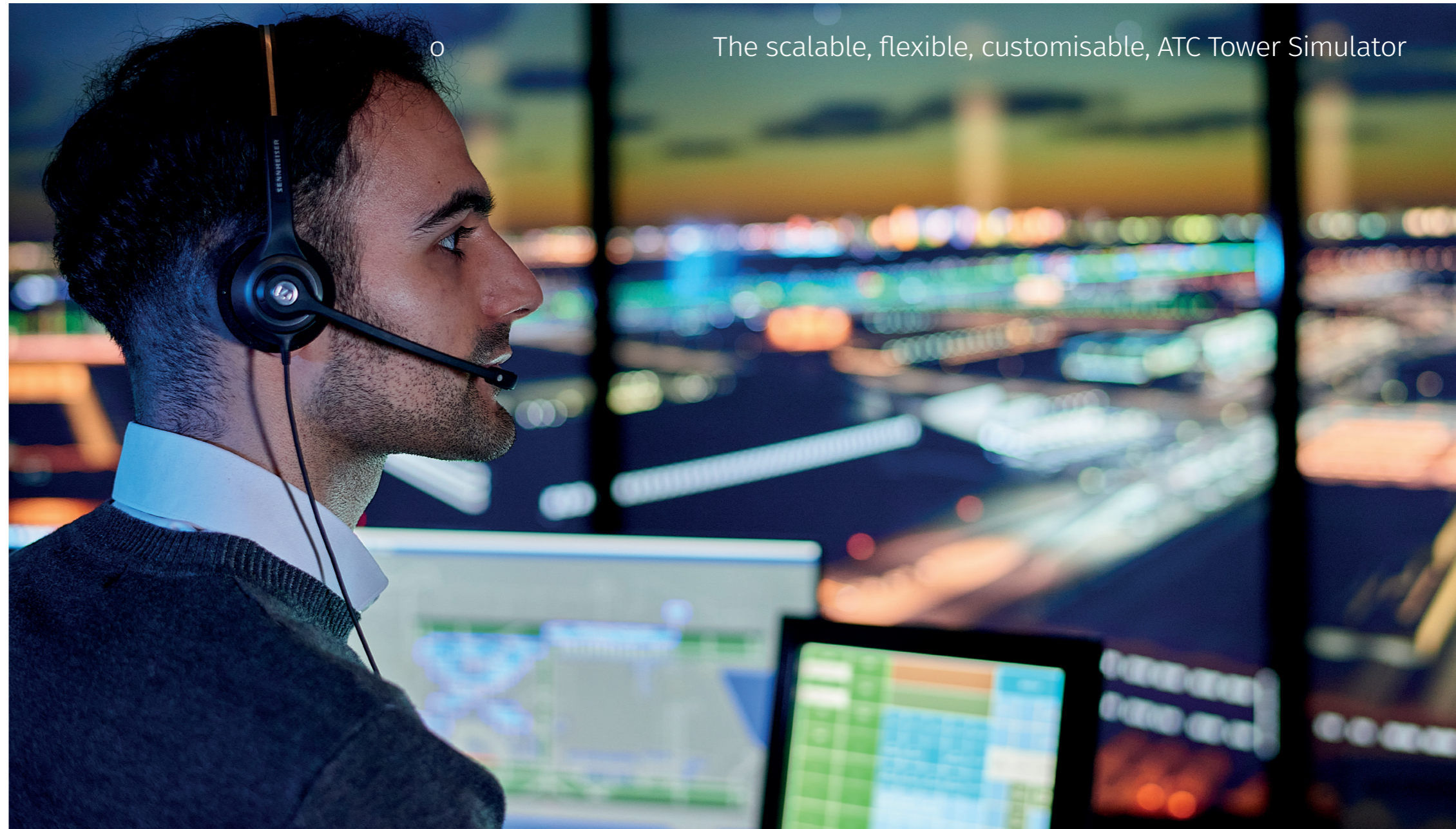
LED projector-based display systems are economical, functioning effectively alongside standard air-conditioning. However, accommodating them requires more space, making it most suitable to large installations.

Top: Projector-based system
Above: Monitor-based system

BEST TOWER

MICRONAV

The scalable, flexible, customisable, ATC Tower Simulator

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CERTIFIED
ISO 9001

UKAS
MANAGEMENT
SYSTEMS
001

PART OF
QUADRANT GROUP

The Quadrant Group's mission is to make a meaningful positive difference to aviation safety by providing and enabling the world's best-trained air traffic controllers.
We do this by engineering the industry-leading tool for training, development, and operational testing, as well as offering consultancy and support services to assist customers in establishing and running training centres of excellence.

MICRONAV

BEST TOWER

BEST TOWER

A core product in our BEST ATC Simulation suite, BEST Tower is Micro Nav's high-fidelity Tower Simulation system for training and ATM research

- **Combined Tower & Ground Operations**
- **Realistic Airfield 3D Scenes**
- **Realistic Aircraft & Vehicle Behaviour**
- **Tower FDP Functionality**
- **Multiple GMR Displays, Including ASMGCS**
- **Electronic Flight Progress Strips**
- **Ground Conflict Detection**

- **Lighting Control Displays**
- **Powerful 3D Editors**
- **Comprehensive Data Preparation Tools:** Including SIDs & STARs, Flight Plan-Based Exercise Creation, Aircraft & Vehicle Performance Modification
- **Power Pseudo-Pilot Features** Including Automatic Route Generation, Instant Emergency Creation, Advanced Ground Routing

BEST Tower can be the cornerstone of your ATC Training Programmes, placing students in an immersive simulated environment that enables student success by creating a memorable learning environment.

In addition, BEST Tower facilitates ATM research activities from development and evaluation of airspace and airport infrastructure to refinement of ATC procedures and processes. Use of BEST Tower in this capacity minimises testing in live operational environments, preventing delays and disruption.

BEST Tower is a powerful standalone product. However, that power is enhanced when used in conjunction with other products from the **BEST Simulator Suite**.

Customisable

- A choice of various GMR Displays
- Edit GMR shapes with our shape editor tool
- Edit the look and feel of lighting control displays
- Powerful scripting tools to customise for unique local procedures
- A full suite of data preparation programs and dedicated visualisation tools
- Change workstation configurations and role selections

Flexible

- Simultaneously run multiple scenarios
- Flexible licensing options
- Support for multiple tower viewpoints
- Integrated audio communications and recording with synchronised playback
- Unlimited airspaces and exercise scenarios
- A range of HMIs to create familiarity with your operational environment

Use BEST Tower in conjunction with

BEST RADAR

BEST Radar is our solution for surveillance and procedural capabilities, providing a powerful tool in area and approach control.

Together, our Tower and Radar products create a full turnkey training solution that builds empathy and understanding between controllers, adjacent sectors, ATC units, and other stakeholders.

BEST INSIGHTS

The newest product in the BEST Simulator Suite, **BEST Insights** is our new data analysis tool for evaluating and validating simulator session performance.

BEST Insights mines data available from simulator sessions to produce metrics for measurable performance improvements in a training environment. The generated data can also support procedural validation of new concepts and standards, as well as support sustainable aviation operations.