



SKYVISUAL

SkyVisual has been approved by ATCOs for years. It is far beyond a traditional ATC HMI. SkyVisual is operational for ACCs, Approaches and Towers.



THE NEW GENERATION OF ATM SOLUTIONS

Personalize your HMI

The HMI is often the main visible part of an ATC system. ATCOs clearly demand evolutive HMIs with ergonomy, fast-responding systems, easy access to data which have traditionally been under-evaluated by the market. To achieve a satisfactory working comfort, they often use key functions such as transparent windows, multi-measurement vectors, double-zooming, etc. Various elements (needs for flexible graphic tools, Mode S radar, Data Link, cost...) inevitably drive the market towards permanent HMI improvements from the same common basis.

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Personalize your HMI

Your benefits

- ATCO-driven solutions: no useless functions, natural adoption, limited training, smooth introduction of new technologies, motivation, cost optimization
- COTS – standard hardware: innovation accelerator, short time to market, cost, open architecture, high performances, easy maintenance
- Total flexibility: incremental solutions, perfect adaptation to evolutive needs, non proprietary solutions
- Customization: user community adhesion to a common HMI, «feel at home» concept
- Permanent operational system fine-tuning: perfect adaptation to local airspaces, value for money, short Return On Investment (ROI)
- Increased airspace capacity – efficiency: additional ANSP revenues
- Safety: quick start-up program, ATC reactivity, sharp and immediate ATCO analysis, rapid maintenance, automatic information transmission, low memory/CPU usage
- Compensation of an existing system rigidities: customized HMI, new functionalities
- Controlled project schedules: cost effectiveness, each module can benefit from the latest technology



- A stand-alone ATCO working Position with complete software and hardware
- A fully reactive HMI following the Eurocontrol EATMP ergonomic concepts: safe, ATC efficient, intuitive navigation, friendly
- SkyVisual is a radar and flight plan data HMI developed by ATCOs for ATCOs offering the maximum flexibility and productivity
- Multi-screen solution (window drag and drop): no screen overload
- A quick and easy way to access to complex ATC data in real-time: minimum mouse actions
- SkyVisual can be customized for ATC, Approach and Tower solutions
- An approach for human-centered HMI solutions
- Synthetic display of the output data process through a rule-based system: conflict detection and resolution, route monitoring and prediction, etc...
- SkyVisual can be used for design and prototyping projects
- A compensation to your today system rigidities, including the implementation of new functionalities
- Associated with SkyServer software engine, it will provide you with outstanding ATC capabilities
- Individual personalization for each ATCO : the common HMI basis for a 500+ user community, «feel at home concept», efficiency

Main features

Off-line configuration and data distribution tools
 Direct access and update to flight plan information
 Multi-layer map display and multiple map formats
 Unlimited personalized setups available for each user
 Dynamic airspace management display
 Single-click logic menus
 Route display projection and sniffer system
 Weather display
 Label anti-overlap automatic system
 Optimized display of safety net results (STCA, customized MSAW)

Unlimited number of measurement vectors simultaneously used
 Printing capability from any CWPs
 Gonio Flight Direction Finder
 On-line drawing capability
 Automatic display of the next frequency
 Unit convert tool (nm, knots, feet...)
 Fast complete system start-up and initialization
 Windows transparency
 Multi-secondary windows available
 Multi-zoom capability

Safety

- Reactive off-centering (no system latency)
- Anti-overlap window system (pre-defined rules)
- Track ageing mechanism
- Aircraft vertical movement display
- Entry Flight Window only opening when incoming flight
- Integrated SMS-Short Message System
- Raw video display capability

Key clear information

- Human-driven HMI: icon/ window-driven
- «What you modify, what you get» logic in any menu/ option adjustments
- Direct access to all functions through icons or control buttons
- Many short-cuts to reach the right information (contextual menus, auto-hide of non-used scroll bars, hotkeys, sweep button, flip-flop...)
- Pop-up window principle with personalized setup rules
- Flexible labels customization



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