

Merlin ATC Fallback



system



Independent
Customisable
Reliable
Engaging

Merlin is a fully independent Air Traffic Control system for ANSPs who need a reliable fallback or contingency solution at any time.

Merlin provides a safe continuation of ATC operations with a fully independent fallback system after a failure of the primary system.

The system offers the functionalities required for safe contingency operations and has been developed in accordance to the Software Assurance Level 4 objectives of ED-153 and complies with the EC interoperability requirements.

Merlin has been developed by 42 Solutions from The Netherlands, a small and flexible company that is used to working together with ANSPs to meet their stringent needs. Merlins robust system design allows us to tailor it to your operational needs and procedures.

The Total Cost of Ownership of the Merlin ATC Fallback system is highly competitive. We support your business case and provide the service and adaptation that allows you to maximise capacity. Ask our sales team for further details.



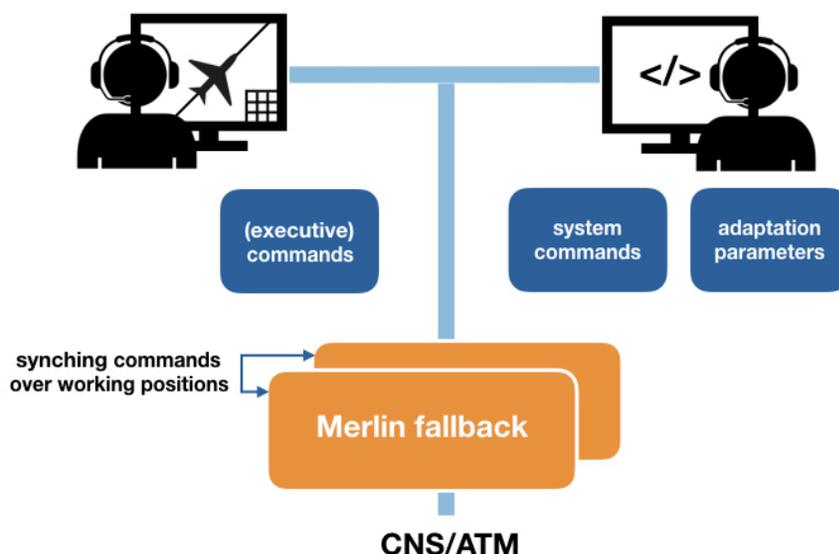
Customisable

The Merlin Air Situation Display system offers the following key features:

- track, plot and weather processing;
- role based user interface with tailored touch input panel, label layouts and airspace maps;
- executive input broadcasting for sound situational awareness across the air traffic controller positions;
- touch input panel emulation for seamless transition from main to last resort.

Local system support can change the adaptation data such as maps, labels, track colours and Touch Input Panel menus.

The system can be managed by your system supervisors through Merlins monitoring and control interface. Merlin can be adapted and customised to your ATCO needs and local procedures in a dedicated software release. 42 Solutions can provide all services required to ensure a seamless integration with your CNS/ATM environment.



Reliable

Merlin is developed fully independently and shares no common components with other operational display systems. This limits the risks of Merlin being affected by the same shortcoming that may cause outage on your main environment.

The Merlin architecture offers fully distributed operation, allowing individual positions to continue independently from server or peer components. This setup offers extreme availability and limits disruption of services in your contingency scenarios.

Merlin is provided with a tailored operating system limiting dependencies in order to maximise reliability.

Engaging

42 Solutions is a dynamic Dutch SME known for its personal approach and engagement. Our Crew of Forty-Two has established a standing track-record in civil and military ATC and is valued for their drive to provide the client with the ultimate answer required to meet the challenge at hand.

In a typical Merlin deployment this means a focus on adapting and customising the system by rapid prototyping to establish a sound understanding of the operational needs.

The prototype system can be made available on-site for evaluation by your ATCOs at their convenience. This maximises the ATCOs involvement and acceptance.

What's your question?

You are invited to contact us for more information and/or a meeting.

Roadmap

Merlin is deployed in a full independent three-lane concept to safely allow for increased capacity on first lane operations. The roadmap for Merlin includes increasing Software Assurance to Level 3 as well as introducing capabilities that allow you to increase capacity even further. These features pave the path to qualify the system as a primary operational display.

The roadmap also includes the integration with uncooperative drone detection and alerting environments that allows your controllers to deal with drone threats effectively.

Merlin adheres to the community standards as required by EC IOP regulations and is delivered with a DoC.

42 SOLUTIONS

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