THALES

www.thalesgroup.com

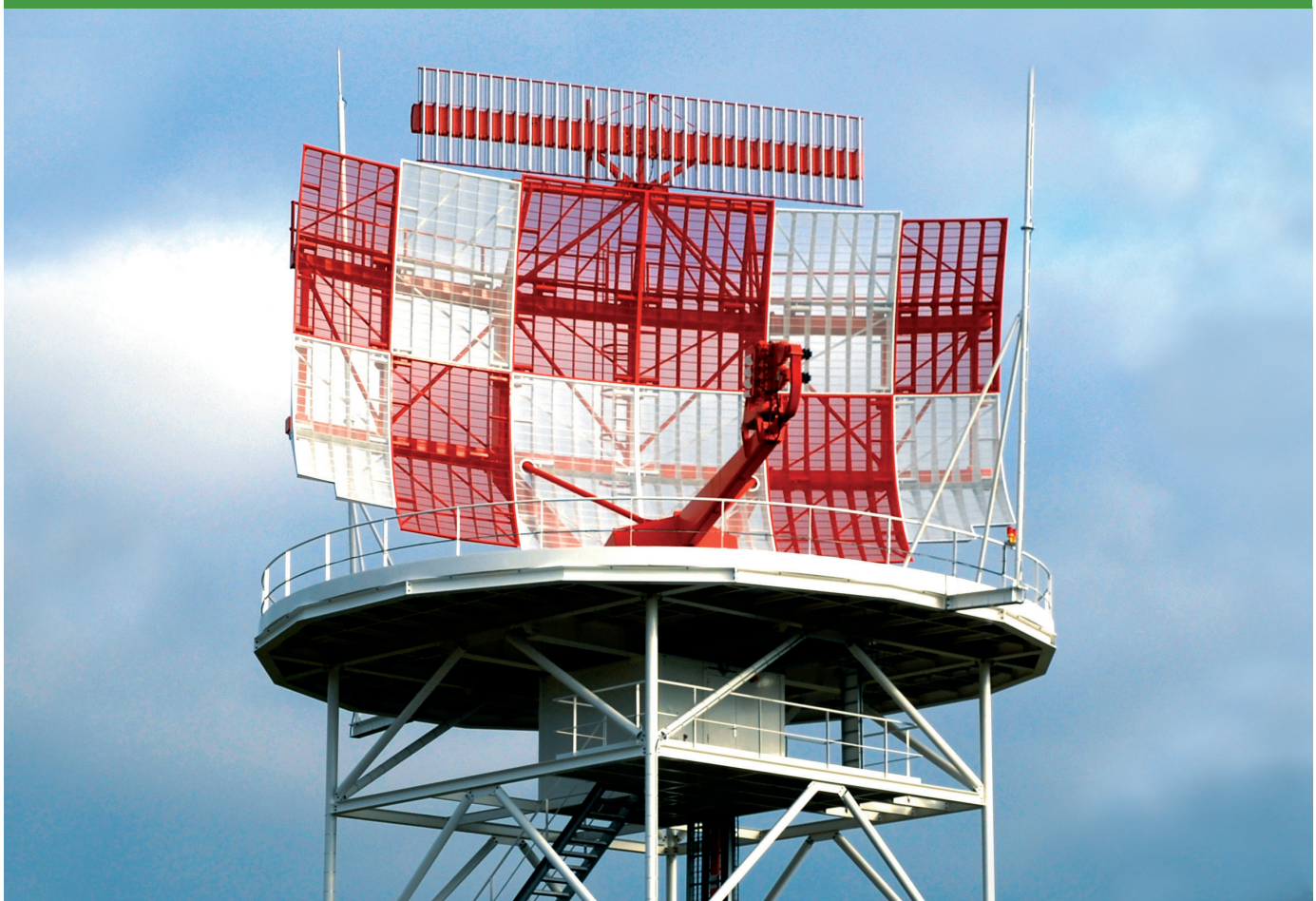
PRIMARY SURVEILLANCE RADAR FOR AIR TRAFFIC CONTROL

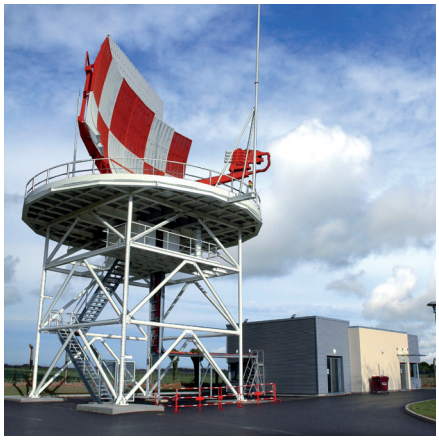
- More than 40 radars worldwide
- Maximised small target detection range capability for extended controlled area
- Solid-state design using the latest technology
- Low cost of ownership
- Short term delivery
- Stand-alone or co-mounted with a secondary RSM970S Mode S radar
- Windfarms: dedicated impact studies and implementation of optimal mitigation, among a large panel of solutions
- In option, altimetry assessment

AERONAUTICAL

TRAC 2000N

New Generation L-band Solid-State En-Route Radar





AERONAUTICAL

TRAC 2000N

New Generation L-band Solid-State En-Route Radar

CHARACTERISTICS

OPERATIONAL FUNCTIONS

- Primary Surveillance Radar for En-Route control area
- Optional weather channel providing 2 or 6-level weather maps

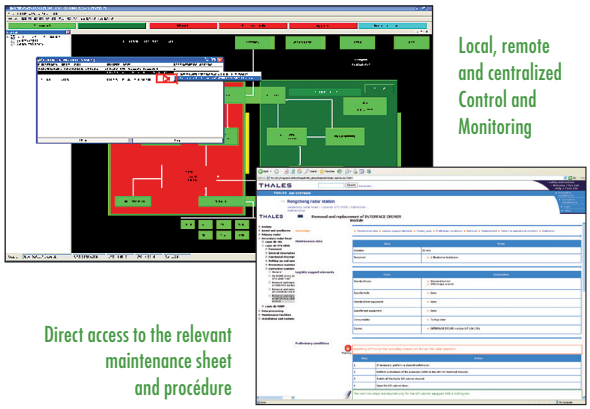
EASE OF MAINTENANCE

- Comprehensive embedded BITE
- Local / remote diagnosis capabilities
- Transmitter power-on maintenance with on-line replaceable modules
- No analogue inherent adjustments
- Limited number of LRU types

SAFETY

- High integrity and availability of data provided to the controller
- Fail-safe capability

ADVANCED MAINTENANCE TOOLS



Local, remote and centralized Control and Monitoring

Direct access to the relevant maintenance sheet and procédure

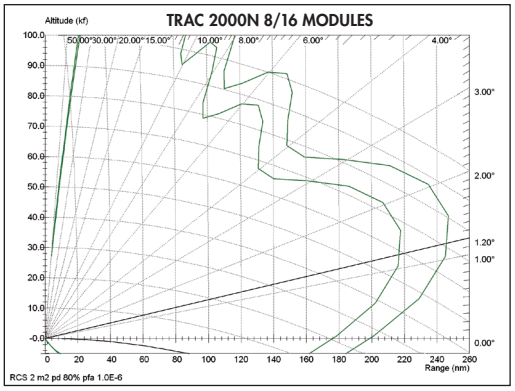
TECHNICAL CHARACTERISTICS

- Fault tolerant solid-state transmitter with 8 or 16 power modules
- Power modules equipped with individual & independent cooling
- Digital frequency selection per 1 MHz step
- Digital Phase-Amplitude Detection receiver
- Advanced Signal Processing Algorithms running on COTS PC Linux
- On-line system performance monitoring
- Serial line/ Ethernet UDP/TCP IP outputs

BASIC SYSTEM PARAMETERS

Frequency	1250 to 1350 MHz
Minimum range	1 NM
Instrumented range	200 - 250 NM
Rotation rate	5 - 6 rpm
Polarization	Linear/circular
System stability	> 65 dB
MTBCF	> 35,000 hours
MTTR	< 30 min.
Inherent Availability	99.999 %

VERTICAL COVERAGE DIAGRAM



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