SCALABLE AIR DEFENCE COMMAND & CONTROL

CONTROLView is a versatile Command & Control solution that significantly enhances Ground Based Air Defence operational capabilities.

CONTROLView benefits from Thales’ 40 years of experience in field proven Weapon Systems for French and overseas Armed Forces.

ADVANCED AIR DEFENCE SOLUTIONS

CONTROLView
Core of the Air Defence Mission
KEY MISSIONS
Mission Preparation
CONTROLView computes an optimised deployment of Air Defence Sensors and Weapons, to provide Air Defence authorities with effective tactical solutions.

Air Space Management
CONTROLView ensures Air Space Surveillance and Mission Management combining multi radar data and information provided by upper air authorities.

Fire Control
CONTROLView is the cornerstone of fire coordination by controlling multiple simultaneous engagements of heterogeneous weapons.

OPERATIONAL BENEFITS
Display of clear air situation
Designed to improve efficiency, CONTROLView HMI guarantees better reaction time and reduced operators’ stress.

Effective real time TEWA Algorithm
CONTROLView performs automatic Threat Evaluation andWeapon Assignment (TEWA) ensuring optimal pairings between weapon systems and threatening targets, avoiding overkill, underkill and fratricide.

Heterogeneous Weapon Systems coordination
Due to its flexible architecture, CONTROLView has the capability to coordinate various Air Defence firing units, such as Guns, VSHORAD, SHORAD and E-SHORAD vertical-launched missiles to ensure a layered protection.

Fire Control
CONTROLView provides accurate target designation to any kind of weapons systems, including in flight guidance data for Lock-On After Launch missiles.

KEY FEATURES
Deployment Preparation
Automatic Air Defence deployment computation based on:
- Available sensors and firing units
- Geographical environment
- 3D Air Operational context: defended assets, corridors, volumes...

Radar Management
Primary radar and IFF settings, commands

Air Space Surveillance
- Air picture elaboration with multi source track correlation
- Automatic target identification and classification

- Airspace management: SWON, SWOFF, FLOT lines, defended assets, Air Raid Warning State, Air Control orders, Weapon Control Orders, EMCON...

Fire coordination
- Threat evaluation
- Weapon assignment focused on:
  - kill efficiency
  - under or over kill avoidance
  - engagement safety
- Multiple Engagement control monitoring

Support functions
- Embedded training with data recording & replay
- Maintenance monitoring

Open architecture
- Flexible communication link with Air Defence weapon systems and upper level Air Operation Centre
- Compatible with legacy weapon systems

Scalable design with several possible implementations
- Embedded in CONTROLMaster 200 or 60 with two operators stations
- Up to four operators stations embedded in dedicated Command & Control shelter

WEAPON TERMINAL
- The Weapon Terminal is a digital, man portable universal device, which allows the ControlView to interface with any Air Defence Weapon System.
- Digital data transmission and display:
  - Local Air Picture
  - Target designation, target pictures for identification
  - Firing orders
  - Kill assessment report
  - Firing Units deployment tool
  - Weapon System status and location report

- Embedded tools
  - GPS, digital map
  - Operator training

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