What is Naval Arabel?
The Naval Arabel is a naval fire control unit for Medium Range and Extended Air Defence of national and external theatres.

What is its mission?
The Naval Arabel FCU is designed to counter threats such as advanced anti-ship missiles, sea-skimming and weaving missiles as well as high-diving and anti-radar missiles. It is effective against omni-directional saturating attacks, high-speed manoeuvring targets and is adapted to self protection and convoy missions.

What are the main benefits?
The Naval Arabel FCU has been designed for optimal fire repower and engagement capabilities. The multifunction radar features an omni directional capability and enables the Arabel Naval FCU to track in 3D up to 100 targets. It is also self-adaptable to its environment and highly resistant to ECCM. The Naval Arabel FCU can control up to 48 ready-to-fire Aster 15 missiles via 6 launchers which provides unique operational capabilities against all current and future air breathing threats.
Features

Engagement
- High engagement capability
- Control of up to 48 ready-to-fire Aster 15 missiles
- A 6 second reaction time from detection confirmation to missile departure
- Multi-target engagement
- Highly resistant to ECCM (narrow beamwidth, frequency agility, EMCON and side lobe blanking)

Surveillance and Detection
- I/J (X) phased-array Multi-function Radar
- -5° to + 90° elevation coverage
- Detection range: up to 80km
- Onboard antenna stabilisation

Specification
- Operational in extreme conditions;
- Wide range of temperatures
- All weather conditions including high winds of up to 120km/h
- NBC (Nuclear Biological Chemical) protection

In service

The Naval Arabel FCU is in service with the French Naval Forces onboard the Charles de Gaulle aircraft carrier and with the Royal Saudi Naval Forces onboard the Sawari 2 frigates.

Deployment

The Naval Arabel FCU can be installed on any vessel over 2500t and can be fully integrated into the ship’s combat management system.