

# PEDESTAL DRIVE UNIT

## Control and Diagnostic System

HIGH-QUALITY  
&  
INNOVATIVE  
MANUFACTURING



Diagnostics



Fiber Optic



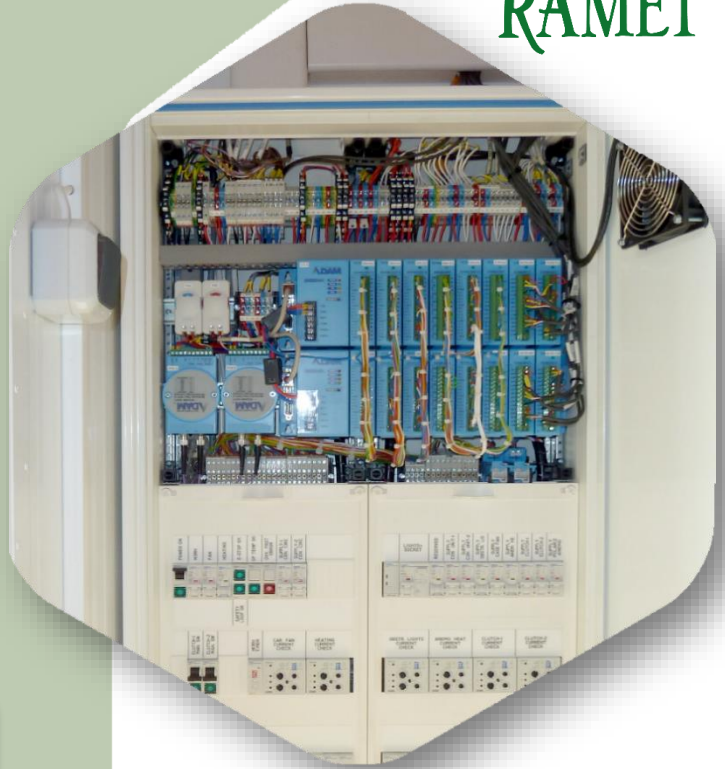
Ethernet



Distribution Box



Drive Box



### MAIN FEATURES

- Suitable for antenna pedestal dual-drive with electromagnetically controlled clutches
- Ethernet communication interface
- Self-diagnostic function of Antenna control unit (ACU)
- Remote control of antenna pedestal dual-drive (start/stop, antenna rotation speed selection, PSR antenna polarisation control, weather channel switch control, waveguide air valve control, electric clutch control) from radar control and monitoring system (CMS)

## MAIN AVANTAGES

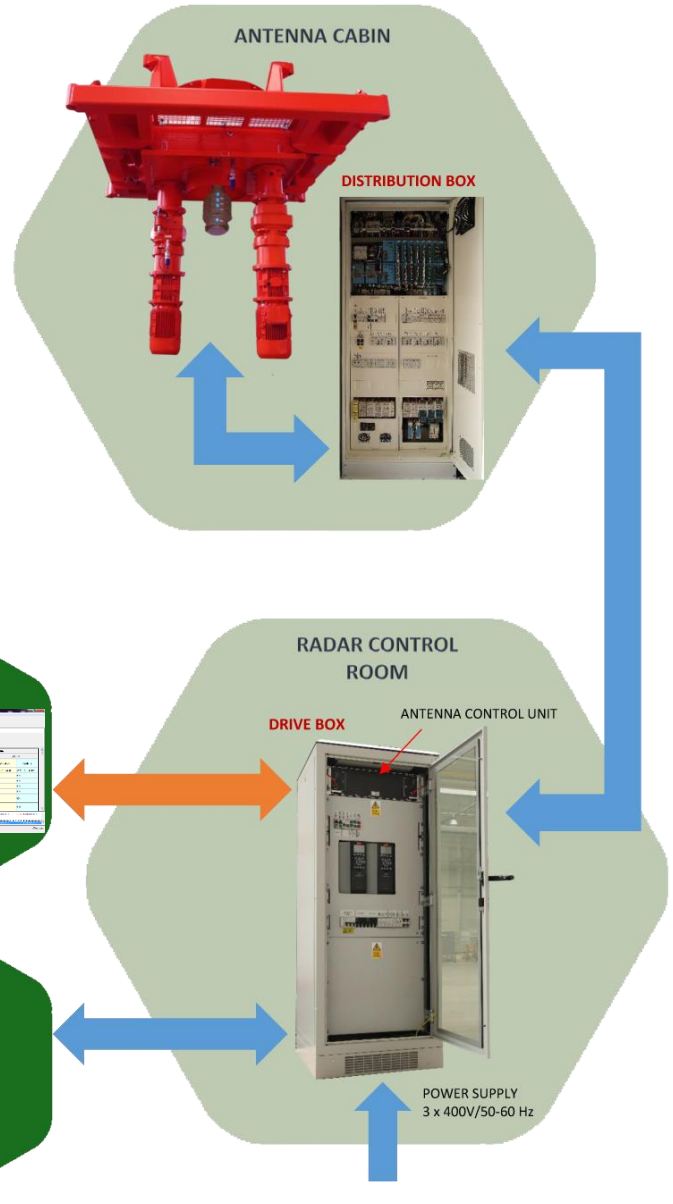
- Provides immediate information and warnings to operating personnel
- Continuously monitors operation and condition of dual-drive pedestal
- Allows early detection of potential problems
- Prevents failures such as breakdown, overheating, oil leakage and other hazardous situations
- Improves radar performance and its operating efficiency
- Contributes to increased lifetime of radar mechanical parts
- Reduces maintenance costs by preventing unplanned maintenance events

## MONITORED PARAMETERS

Antenna rotation speed
Temperatures of motors, gearboxes and antenna cabin
Oil levels
Wind speed
Power supply statuses
Safety/fire protection
Non-authorized access protection
BITE functions

## SYSTEM CONFIGURATION

Distribution box with diagnostic modules
Drive box with Antenna control unit
Sensors
Cabling
SW simulator



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