

Installation & integration

Planning overview for RF engineering and operations teams

Two connection architectures

Direct AISG	O&M / core network > radio or base station AISG interface > OC + RA. OCC is not required when the required AISG data and control path are available.
Standalone OCC	O&M server > LTE data link > OCC > wired OC + RA interface. OCC uses an LTE Cat 4 modem.

Pre-deployment review

Confirm the host radio model, supported AISG profile, firmware and permitted remote-control functions. Review antenna dimensions, bracket interface, operating load and clearance over the full movement range. Confirm power supply and surge protection with the approved product documentation.

Commissioning workflow

A qualified installation team establishes the mechanical and electrical installation. Capture initial azimuth, tilt, roll, position and camera evidence. Verify communications, perform a controlled movement and compare the measured result with the requested direction. Log the outcome for operator acceptance.

Verified records and newer updates

2025 deck	Ericsson Radio 4490 HP in Korea and Huawei U2000 in Thailand. AISG 2.0 is listed in the original component tables.
SensorCane 2026 update	Use 0-35 degrees for tilt. Include AISG 2.0 / 3.0 and Nokia in current integration planning.
Environment	RA: IP65, -40 to +70 degrees C. OCC: IP65, -40 to +55 degrees C in the source deck. Do not apply the RA temperature rating to every module.

Engineering documents required

This overview is not an approved installation manual. Request the final mounting drawings, connector pinout, power requirements, torque values, firmware matrix and site-specific procedures before installation. These details were not supplied as a formal installation guide.