



Upgrade and Refurbishment Package for Smooth Migration to C-Band



Communication Without Boundaries

Telemetry Upgrade Made Easy

Buying a new system allows you to take advantage of new technologies, additional band, and a supportable new control system. However, decommissioning legacy systems that are still operational is often difficult to justify.

But what if there was an alternative?

Now it is possible to reduce your capital expenses and still enjoy the best in new technology by extending the life of your legacy system with minimal downtime along with the ability to migrate to C-band.

ORBIT's innovative upgrade package makes this alternative possible.

A unique mixture of three components working in harmony to yield the best market performance specially designed for smooth migration to C-band.

Triple band feed, AL-1100-LSC

Coaxial, multi-cavity, auto-tracking feed based on ORBIT's patented, proven technology with unprecedented performance. Supporting L, S & C bands simultaneously.

Controller, AL-4000

Designed to work with the triple band feed, this advanced telemetry controller ensures that the feed is calibrated and performs ongoing fine tuning for optimal performance. The AL-4000's unique feedback loop contains an embedded algorithm that provides real-time feedback to the AL-1100-LSC and is an essential part of the control loop chain. The touch screen controller allows operators to work more productively.

Pedestal Interface Unit (PIU), AL-4200

The PIU facilitates the upgrade of most legacy analog servo pedestals (ORBIT or third party). Its external interface is the easiest way to upgrade to a digital format without altering an analog pedestal.

Triple band feed
AL-1100-LSC



Controller
AL-4000



PIU
AL-4200



The ORBIT Advantage

> End-to-end solution

Including tracking antenna, mission controller and data receiver

> Unsurpassed accuracy

Featuring ORBIT's Advanced Control Loop™ algorithm for RF Tracking

Refurbishment or Upgrade – Which Should I Choose?

As part of the decision process, ORBIT's service team typically performs a detailed site survey before determining the nature of the project and scope of work.

The huge benefit from ORBIT's upgrade package is crystal clear:

Enjoy new technology today at a fraction of the cost of a new system with minimal downtime.

Upgrade

Using our external Pedestal Interface Unit (PIU), we can easily interface the new digital controller with most common analog pedestals currently in use. In addition, we will replace the existing antenna and feed with a new triple band antenna assembly.

Refurbishment

This process includes the replacement or refurbishment of necessary parts. In addition, the existing antenna assembly is replaced with a new triple band feed and reflector.

A typical refurbishment includes the scope:

- Brushless motors and reduction gears
- Slip ring / rotary joints (Optional)
- Rotary encoder
- Metal treatment, new surface coating and repainting
- Rewiring of the system replacing all connectors
- Worn-out elements (screws, nuts, washers)
- Acceptance Testing



Cost Effective Solution

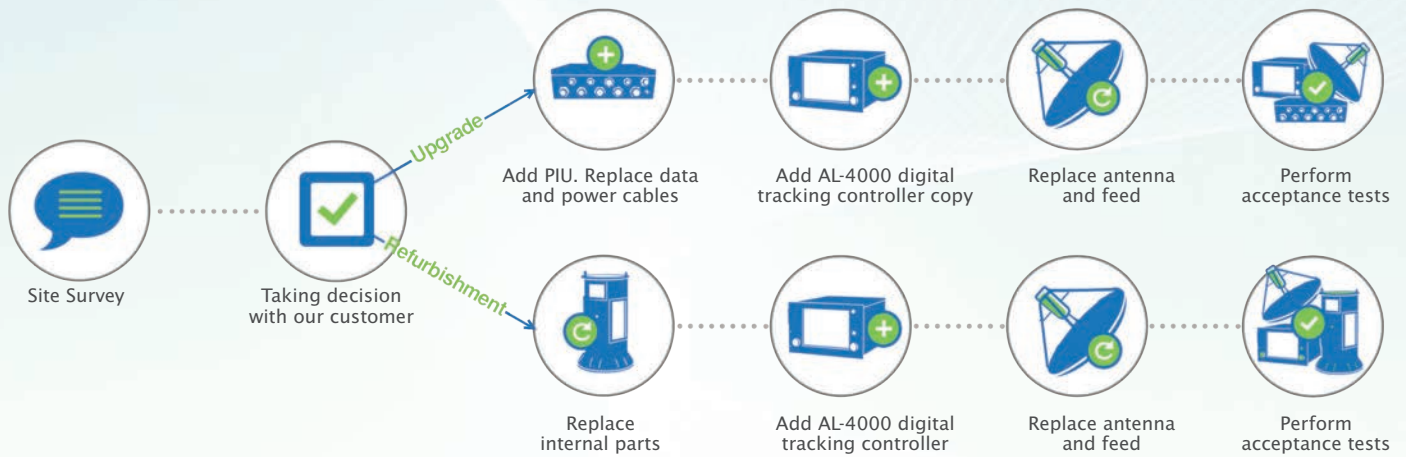
Suitable for Government, Military and Commercial Agencies



World-class customer support

A multi-national company with global presence, ORBIT provides fast response and on-site support

Process flowchart



Always at Your Service

Regardless of the age of your system or where it is located, our skilled technicians are available to provide the technical support you need.

Site Installation

Overall responsibility for installation of equipment to ensure fast deployment.

Training Services

Ensure that if a fault occurs, your trained personnel will be able to perform basic service activities.

Available Service Contracts

Annual Maintenance Contract

Inclusive insurance renewed yearly based on fixed price.

Basic Ordering Agreement

Pre-purchasing of spare parts along with yearly payment for service support.

