

**YOUR VIP AIRBORNE  
CONNECTIVITY NEEDS**



**OUR  
SOLUTION.**

**eclipse**  
GLOBAL CONNECTIVITY

# A MESSAGE FROM OUR CEO



"We've long recognized that VIP and Head of State aircraft are extremely demanding and a fully-working solution must be delivered the first time.

Not only do the aircraft have varying missions, individual passengers have different telephony and internet access needs; and of course, onboard network security is key.

This is why Eclipse Global Connectivity is offering a complimentary system requirements consultation. Adding connectivity to a large aircraft is complex and we want to help operators, installers and maintainers to get a better understanding of the requirements and outcomes for the aircraft and passengers."

■ Marc PINAULT • CEO • Eclipse Global Connectivity



INTRODUCTION TO THE

# CONNECTIVITY BUNDLE

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The answer to your VIP's needs

- ✓ High-performance worldwide broadband communications
- ✓ Specifically designed for wide- and narrow-body jets
- ✓ Complete, flexible & modular
- ✓ Bespoke : Fits unique aircraft mission requirements

**PROUDLY**  
**BROUGHT TO YOU BY**

**eclipse**  
GLOBAL CONNECTIVITY





WHY CHOOSE THIS BUNDLE ?

## SMART & SIMPLE

Minimum impact,  
Maximum functionality

- ✓ Available ONLY from Eclipse Global Connectivity
- ✓ Full features, complete solution
- ✓ Single supplier : Reduces risk, streamlines project
- ✓ Maximum connectivity, minimum fuselage impact

A WORLD  
**EXCLUSIVE SOLUTION**

**eclipse**  
GLOBAL CONNECTIVITY





WHAT'S INCLUDED ?

# EVERYTHING YOU NEED



Complementary system requirements consultation



All the equipment + STCs you need : Honeywell JetWave™ Satcom system with the latest router & wireless technologies



Bespoke network & system design (onboard + ground infrastructure)



Inmarsat Ka-Band broadband airtime packages



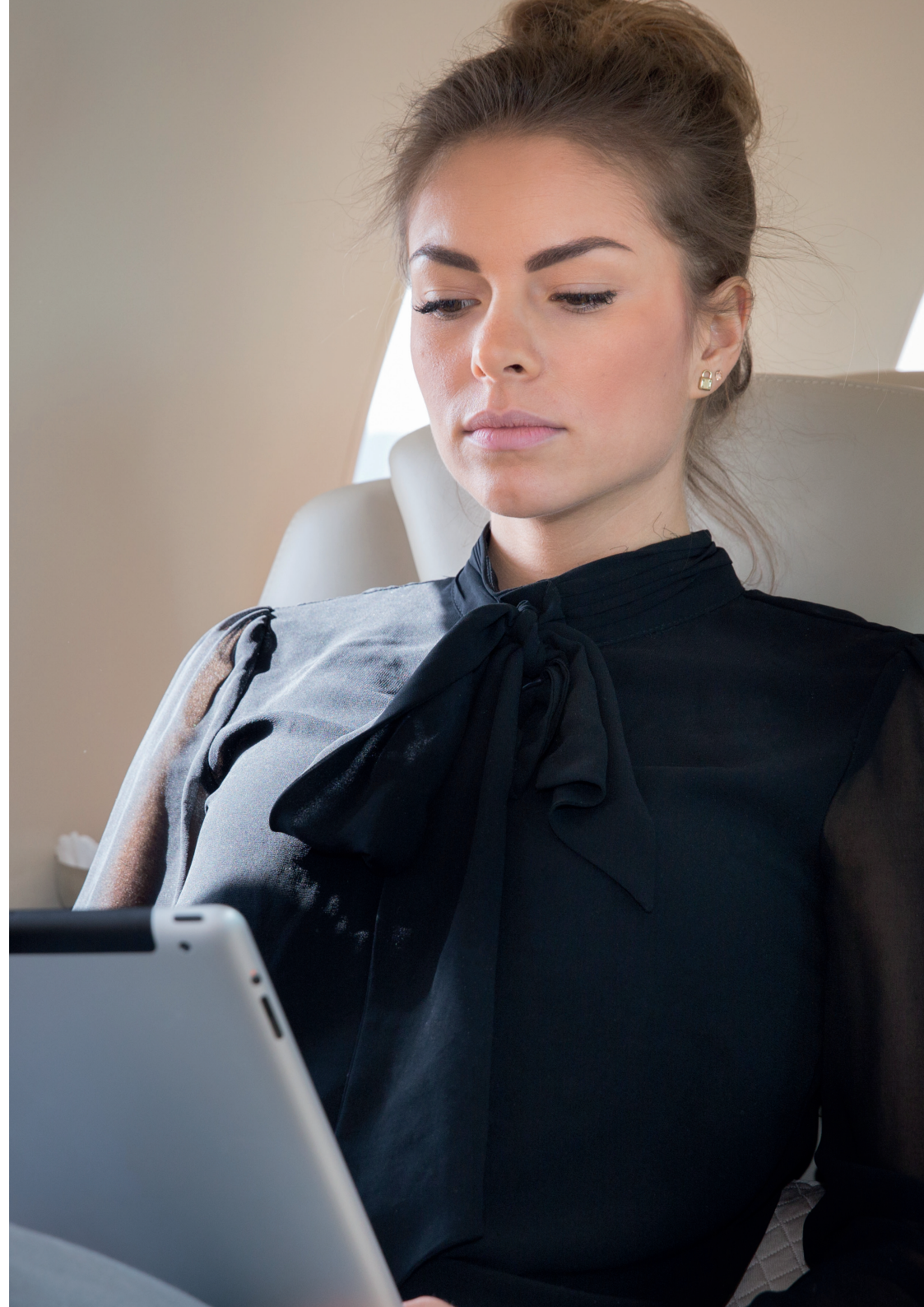
Eclipse Technics Satcom Universal Mounting System (SUMS) antenna installation kit



Eclipse Global Connectivity Aero+ Software Suite



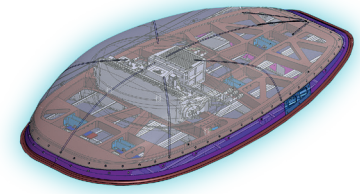
Certification, installation & integration expertise



SATCOM UNIVERSAL MOUNTING SYSTEM

# SUMS

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A revolutionary new design for JetWave™ FMA installation



Complete Ka-band antenna installation system, specifically engineered for wide- and narrow-body aircraft



Streamlined : fewer fuselage holes means straight-forward removal



Lightweight, less intrusive and 100% ARINC 791 compliant



Multiple STCs available : A319, A320, A321, A330, A340, B777, B747, BBJ NG & MAX



Save time, effort and cost : Requires only light maintenance following installation

**DESIGNED** BY **eclipse**  
TECHNICS

## CAREFULLY SCULPTED BODYWORK

- ✓ Aluminum baseplate, composite radome
- ✓ Light weight and streamlined for better aircraft performance
- ✓ Solution weight : 69-70 kg. Dim. : 2.6 m (l) x 1.1 m (w) x 0.4 m (h)
- ✓ Includes baseplate, Honeywell ARINC 791
- ✓ Radome, skirt and fittings
- ✓ Materials : Composite, aluminium



## EASY TO MAINTAIN

- ✓ Only 150 Man-hours to install
- ✓ Designed for ease of access for LRU inspection
- ✓ Fewer fuselage holes for easy return to aircraft original configuration
- ✓ No structural doubler required : fewer part numbers

## SAFE & MODULAR

- ✓ ARINC 791 & Top of Frame Installation
- ✓ Comes with structural reinforcements, fittings and skirt faring assembly

Reduce fuel burn, maintain airframe  
life & resale/lease value,  
avoid costly maintenance

|                     |                          |  |
|---------------------|--------------------------|--|
| SUMS SPECIFICATIONS | Weight (kg / lb)         | 69-78 / 154-174                          |
|                     | Dimensions (m)           | 2.6 (l) x 1.1 (w) x 0.4 (h)              |
|                     | Material(s)              | Composites, aluminium                    |
|                     | Installation option(s)   | ARINC791 or «Top of Frames»              |
|                     | Installation duration    | 150 man hours                            |
|                     | Antenna compatibility    | Honeywell JetWave FMA                    |
|                     | STCs & Certified modkits | A319, A320, A321, A330, A340, B777, B747 |



### [ 2 ATTACHMENTS OPTIONS ]

SUMS is available in ARINC 791 or "Top of Frames" installation versions to meet your specific requirements.

### [ JETWAVE™ COMPATIBLE ]

SUMS has been specifically designed for the Honeywell JetWave™ Fuselage Mounted Antenna (FMA), providing onboard highspeed connectivity.

### [ SAVE MONEY & TIME ]

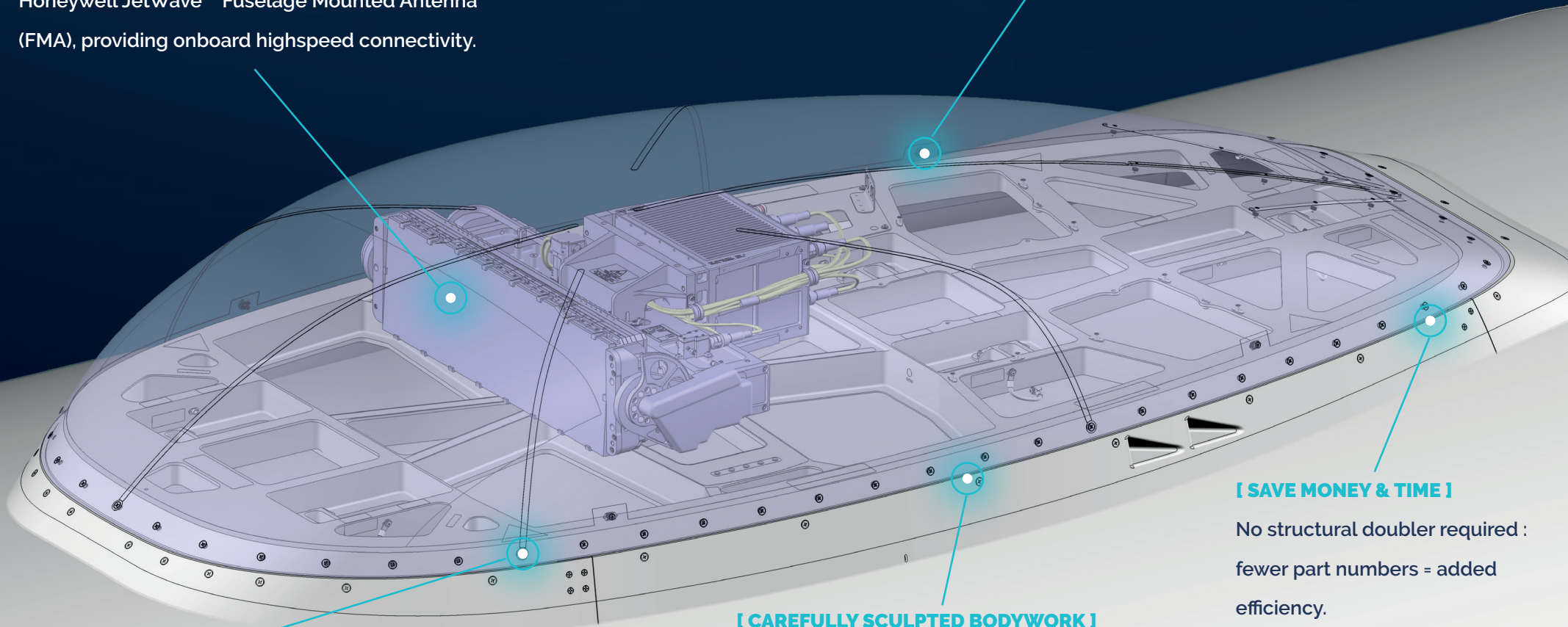
No structural doubler required :  
fewer part numbers = added efficiency.

### [ CAREFULLY SCULPTED BODYWORK ]

The SUMS baseplate is milled aluminium, while the radome is made of a composite. The whole structure is lightweight, helping maintain aircraft performance.

### [ SAFETY FIRST ]

To preserve aircraft hull integrity, SUMS is delivered with aircraft reinforcements and associated fittings including skirt fairing assembly.





SOFTWARE SUITE  
**nero+**

**DESIGNED**  
**BY**

**eclipse**  
GLOBAL CONNECTIVITY

A complete solution



Onboard network security



Onboard bandwidth prioritization



Onboard billing functions



Channel bonding



Secure & high quality VoIP

to enhance passenger connectivity experience

ONBOARD NETWORK MANAGEMENT

## AERO+ FLEXIBILITY

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Give your passenger  
business class connectivity

**W**hile newer generation Ku- and Ka-band systems dramatically increase the amount of bandwidth available to airborne users, the bandwidth is provided in a single large "pipe" with no built-in ability to distinguish between which passengers and applications will have access to the bandwidth.

- ✓ **Included in the Aero+ software suite**
- ✓ Create customizable aircraft "zones" to allocate bandwidth
- ✓ Monitor onboard Satcom system
- ✓ Secure the onboard network with advanced filtering features (IP, devices, domains...)
- ✓ Switch to Swift BroadBand network in case of Inmarsat GX service interruption
- ✓ Easily create and enable a credit card payment portal for passengers to access the internet
- ✓ Customize the Aero+ Flexibility user interface for desktops, mobile, tablet devices (responsive design)

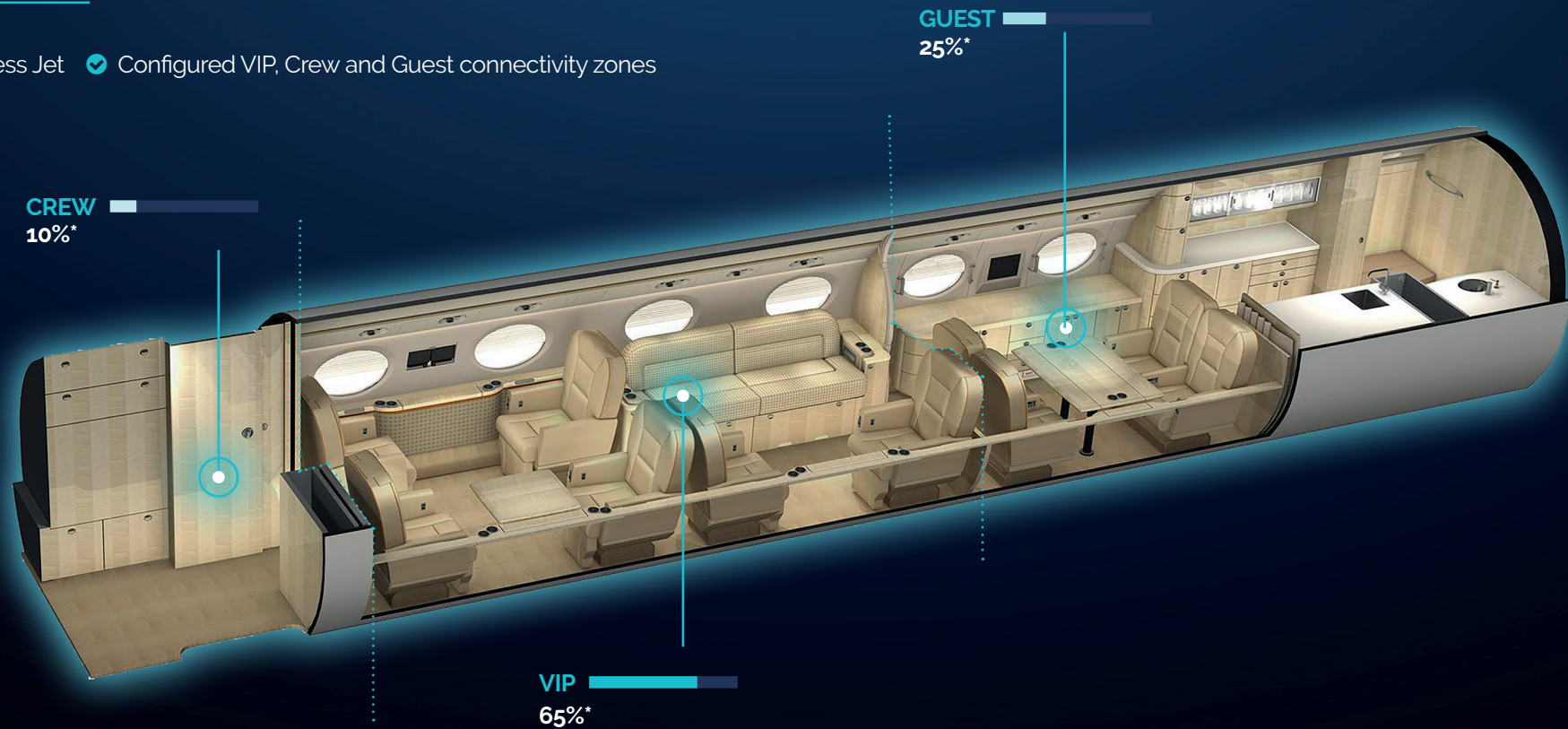
HIGH LEVEL  
FUNCTIONALITIES



AERO+ FLEXIBILITY

# CASE STUDY

✈ Business Jet    ✓ Configured VIP, Crew and Guest connectivity zones



**VIP** • High priority • High minimum bandwidth • Any device

**CREW** • Medium Priority • Adjustable bandwidth (dependent on VIP's bandwidth use) • Approved devices (whitelisting)

**GUESTS** • Medium Priority • Adjustable bandwidth (dependent on VIP's bandwidth use) • Approved devices (whitelisting)

• Paid connectivity (Directed to payment portal before use)

\*Available bandwidth (applied settings)



ECLIPSE GLOBAL CONNECTIVITY

# ABOUT US

First and foremost an aviation company, we bring innovative thinking to airborne connectivity.

Defense, commercial and business aircraft operators rely on our innovative, holistic approach to connectivity for fully integrated solutions that meet requirements, are safe, certified and flexible and budget conscious.

Over many years of collaborating with our clients, we have developed novel methods for delivering a broad range of capabilities in the cabin and the cockpit. We deliver a complete solution to fit an enormous range of requirements.

[www.eclipseglobalconnectivity.com](http://www.eclipseglobalconnectivity.com)

**AVIATION**  
**CONNECTIVITY EXPERTS**



**DESIGN**



**HARDWARE**



**SOFTWARE**



**IFEC**



**CERTIFICATION**



**DELIVERY & SUPPORT**