



Blue Green Technology is an electronic engineering company created in 2008.

SAS funds : 850 K€, 3 founders plus two investment funds (ACI, FINAQUI)

Aquitaine Entreprendre Winner of the 2008, Award of innovation OSEO 2008

Member of Aerospace Valley, EBAA and NBBA Organizations.

ISO 9001:2008 certified

Our three founding concepts :

- Wireless networks,
- Components with very low consumption,
- Heterogeneous telecommunication systems.

Our project :

VIGIPLANE is an on-ground security system for the business Jet and Heavy Business Jet .

Vigiplane is different

The innovative nature of our approach lies in the complete independence of our system from the aircraft own system.



How is Vigiplane different ?:

- No aircraft certification is required – a long and expensive procedure specific to each type of aircraft.
- No installation on the aircraft is required – with its high direct and indirect costs of immobilizing the aircraft.
- All user interfacing and inter-operability of the system are made on a secure server accessible via Internet .

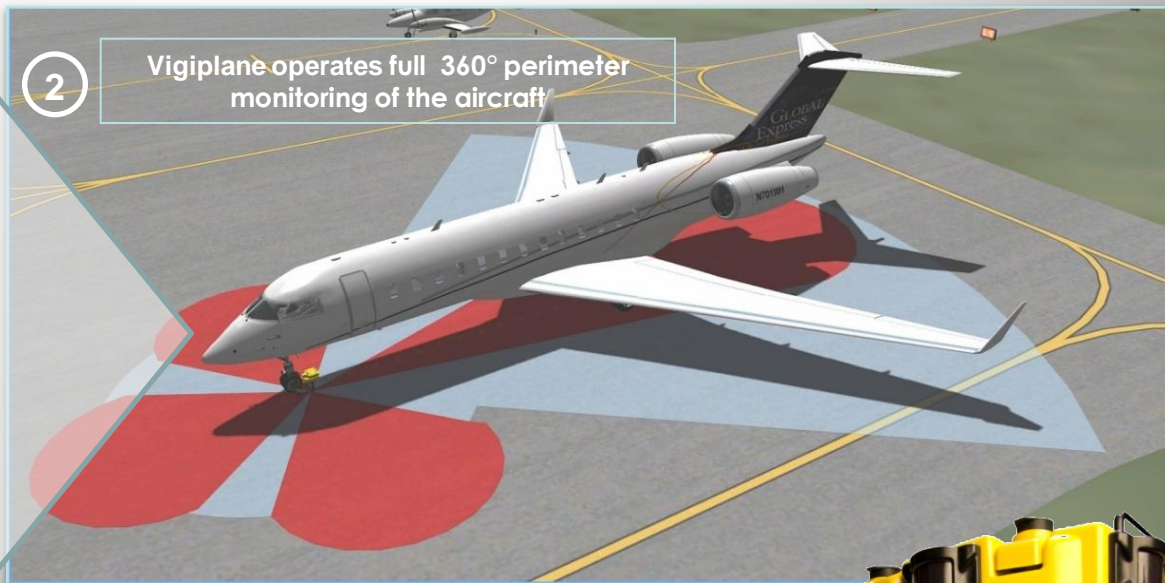
1

Vigiplane is installed on the front landing gear of the aircraft.



2

Vigiplane operates full 360° perimeter monitoring of the aircraft



3

VIGIPLANE Embedded server
records events, alarms and settings



4

LOCAL REAL TIME
By WIFI or Ethernet Cable

REMOTE MONITORING

5

LONG RANGE
By GSM or Iridium Satellite



WHY DO YOU NEED VIGIPLANE ?

Numerous airports are still not under surveillance.
The aircraft once on the ground, is a potential target.

- Geopolitical instability area.
- Identification requirement in case of problems on the aircraft (Insurance companies).

The risks

- Collision with airport vehicles.
- Theft of parts (avionics, spare parts) and aviation fuel.
- Envy vandalism.
- Transporter of illegal materials and substances.
- Terrorism, sabotage.



Local Communication

Ethernet connection or Wi-Fi

Worldwide Communication

Cellular modem

GPRS, EDGE, UMTS 3G+

Iridium

Data modem Satellite

Rechargeable

Lithium batteries

Up to 5 days autonomy

Other specifications

Choc sensor

Weather sensors

GPS localization



Rugged Casing in composite material

for durability in any environment

Size: 538x 388x 418 mm

Weight: 20 lb

Waterproof / -30° to +65°

Triple Detection System

Military Multi-technology

Passive infrared sensors

Doppler sensors

Video motion and form analyzer

5 Night & day cameras

High quality pictures

Infrared projectors

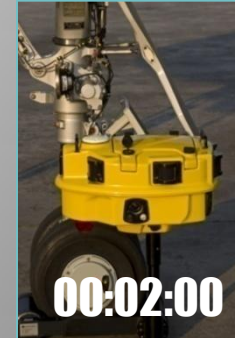
Dissuasion

system by flashing light.

INSTALLATION AND STARTUP TIME : 2 MINUTES (Patented System)

It installs in less than 2 minutes on the nose landing gear of the aircraft.

The system once locked cannot be released or removed.

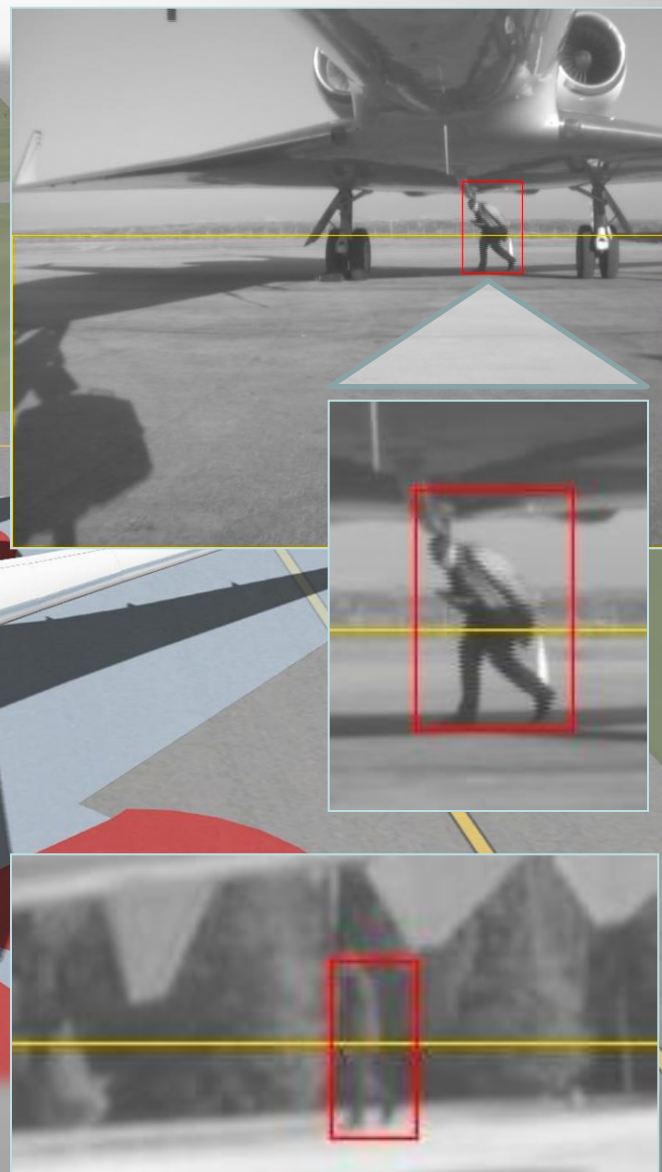
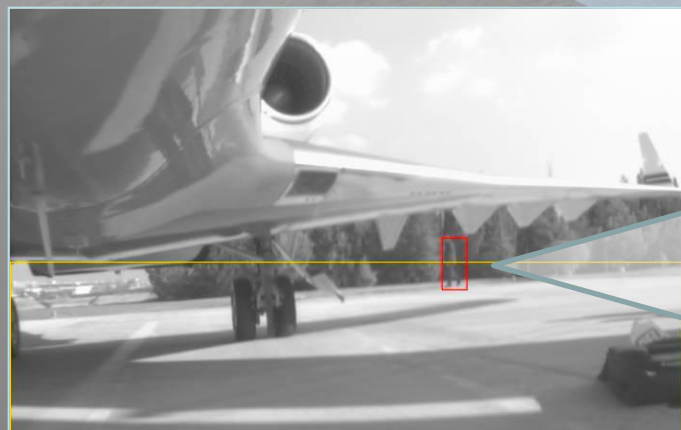


TRIPLE DETECTION SYSTEM

The PDM locked onto the chock guaranteeing a 360 ° field of detection.

It features three sensor technologies: infrared , Doppler and video motion and from analysis.

This triple-technology eliminates the risk of false alarms.



The PDM is equipped with 5 high quality Night & day cameras.
IR (Infrared) illuminators are activated during dark night.

Day vision



FRONT

LEFT

RIGHT

REAR RIGHT

REAR LEFT



Night vision



Vigiplane
Présentation Commerciale Version 2.6 – 10.04.2012
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Fonctions	Securaplane	VIGIPLANE
PIR sensors	No	Yes
Doppler sensors	No	Yes
Motion Sensor and video analyzed	No	Yes
Night and Day vision	No	Yes
Infrared projectors	No	Yes
Image resolution	320 x 200	720 x 576
Flash Light Dissuasion	No	Yes
Numeric Video recorder	No	Yes
Local Monitoring	No	Yes
Alarms transmission via GSM / GPRS	Yes	Yes
Alarms transmission via EDGE / UMTS	No	Yes
Alarms transmission via Satellite	No	Yes
WIFI Connection	No	Yes
Alerts notifications	SMS	SMS/Email
Battery Autonomy	2days	6 days at least
Weight		22 Lbs
Fixation Device	Aircraft embedded	Chock
Price (including mounting in €)	180 K€	49 to 59 K€

Vigiplane for business jets

Designed for aircrafts with length and wingspan between 14 and 30 meters.

Main Manufacturers : Dassault, Bombardier, Gulfstream, Cessna, Hawker Beechcraft, Embraer.



Vigiplane installs on Dassault Falcon 7x

The Vigiplane for Heavy business jets

designed for aircrafts with length and wingspan up to 74 meters.

Main Manufacturers : Airbus, Boeing.

One or two systems could be use of the highest aircrafts



Vigiplane installs on Airbus A340

Specific developments: Government and Military Demands

Blue Green Technology is composed of high-level engineers in mechanic, software and electronic development. Today, our experience allows us to offer to our customers specific solutions based on their particular needs.

Vigiplane is a technological and patented concept for monitoring aircraft. It is composed of different parts:

Multi detection radar and infrared, telecommunication WAN and LAN network wired or wireless, data encryption, video acquisition, image analysis, and design of dedicated servers.

Blue Green Technology controls all design and production chain.

We can offer turnkey solutions to our customer and giving the closest answer to their requirement



A chock in aluminum and composite material witch is installed on the nose-well undercarriage of the aircraft.

Toughened canvas hold-all including the chock and the battery charger.

Weight : 9 kilos (19.1 lbs)

Dimension : 570 x 300 x 110 mm (lever down)

The VIGIPLANE PDM (Peripheral Detection Module) locked onto the chock guaranteeing a 360 ° field of detection .

Toughened carry case including the PDM and user manuals

2 lithium batteries

1 battery charger 110/220 Volts

1 remote control

Vigiplane WIFI Tablet

Chock setup Tool

Keys

Ethernet Cable

User manual (English)

PDM Net Weight : 12 kilos

Casing and PDM : 22 kilos

Dimensions : 538 x 388 x 418 mm



KEY BENEFITS IN USING VIGIPLANE SOLUTION

- Worldwide Business Jet surveillance.
- Infrared and Doppler sensors system.
- Video motion and analyzer.
- Night and day vision.
- Real time warning alarm.
- Immediate access to the alerts via Internet.
- Automatic pushing alerts : SMS, MMS, Email.
- Easy Installation on any kind of business jets.
- Time of installation and startup : 2 minutes.
- Needs no aircraft certification.

