Thales VesseLINK 200: accessing Certus with a smaller antenna

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Premier partner

THALES

Panellist documents

Page 2: Brian Aziz, Thales
Page 17: Wouter Deknopper, Iridium Communications
Page 22: Peter Van de Venne, Spliethoff Group

Part of
Riviera's Webinar Series | 2020

riviera)))

Thales VesseLINK
RMM Webinar

OPEN

Thales VesseLINK

The solution to depend on for essential maritime communications, wherever and whenever you are at sea

Fastest L-band Speeds 704kbps downlink 352 kbps uplink

MISSION CRITICAL

TRULY GLOBAL

VSAT COMPANION

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iridium®
connected

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The Foundation of VesseLINK

Hardware

Three dedicated high quality voice lines

IP 31 terminal with IP67 rated antenna

Preferred Routing & Dynamic switching *(VSAT or Cellular)*

Management Tools

Built-in management portal for configuration and monitoring

PBX like features on board providing advanced voice configuration and calling options

Built-in traffic limiter *(Whitelisting and blacklisting)*

API and command set for secure remote management by Partners
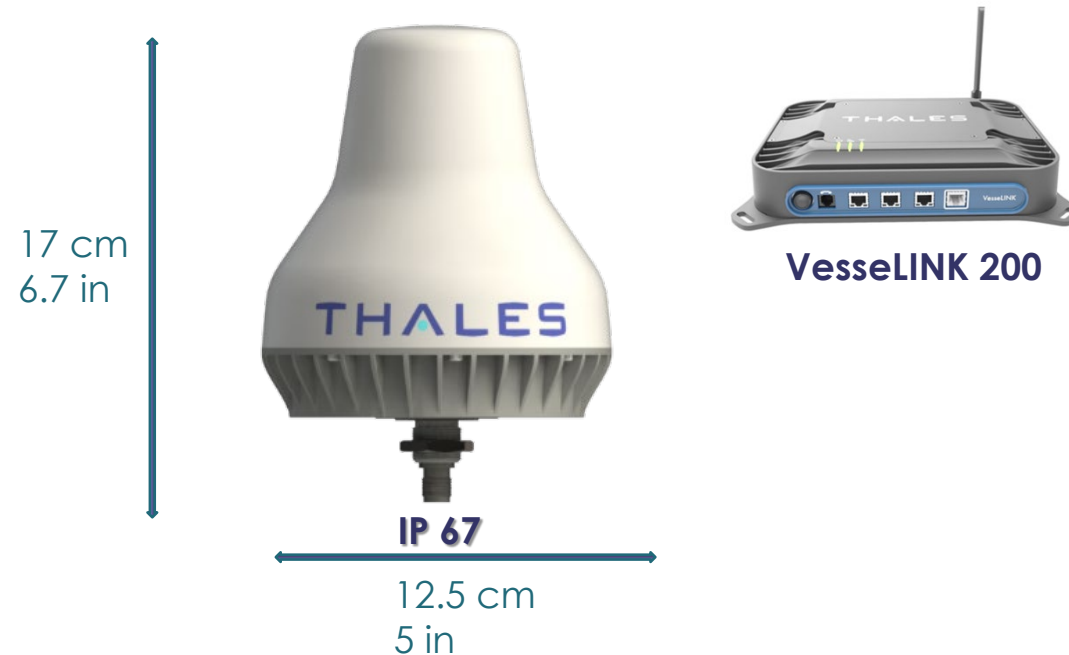
Soft Phone Application for Android and iOS

Multiple Language compatibility *(English, French, Spanish, German,Russian)*

OPEN

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VesseLINK 200

Smaller antenna, same terminal (BDU) you know and love

- 176 kbps upload/download

- Robust, light-weight communications – <0.7 kg / 1.5 lbs

- 100% global satellite coverage and low latency for critical data and voice communications

17 cm
6.7 in

IP 67

12.5 cm
5 in

VesseLINK 200

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Use Cases

Pilot Conversion

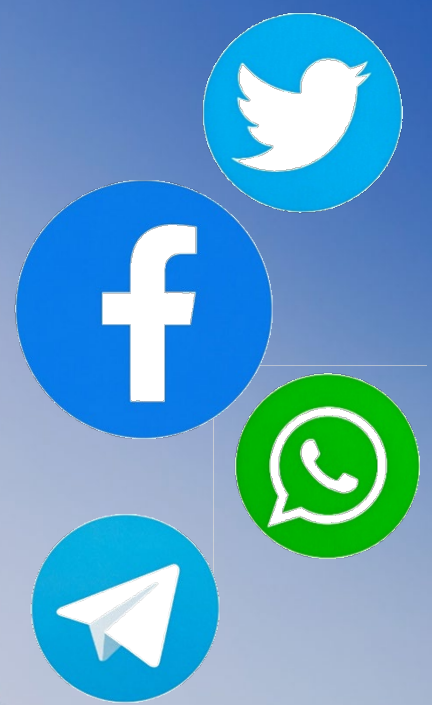Fleet One Conversion and Upgrade

Perfect VSAT Companion

- SDF capability
- Preferred routing
- OBM
- Cost efficient option

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Small Vessels/Yachts

- Antipiracy
- Social Media
- Email

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Small Commercial Maritime

- Fishing Fleets
- Tug & Towing
- Comms & Environmental

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GMDSS

- Terminals are GMDSS ready, additional hardware is required
- Iridium SIM card needed
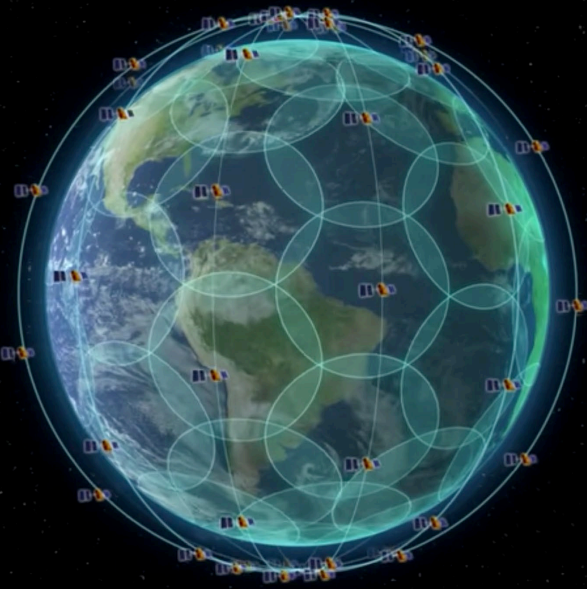- Working with regulatory entities

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Our Partner Network

Airbus
Arion
AST Group
Can Traders
Comsat
GlobalSat Group
Grupo Arbulo
IEC Telecom
Joytom
Marlink
MetOcean Telematics
Network Innovations
NSSLGlobal
Pivotel
Satcom Direct
SES
Speedcast
Trace Systems
Wireless Innovations

To Summarize

- Exact same terminal you know and love

- Smaller antenna: dependable and robust light-weight communications

- 100% global satellite coverage and low latency for critical data and voice communications

- Dependable maritime satcoms, from pole-to-pole

- Easily integrates VSAT with built-in preferred routing

- Feature rich everything a mariner would want or need in a communications platform

- Ultra-light weight antenna, single tech installation, plug & play

June 2018
Thales / Template : 87204467-DOC-GRP-EN-002

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IRIDIUM CERTUS®

- ✓ **Iridium Next network is future proof**

- ✓ **Iridium Certus successfully introduced**

- ✓ **Rapid adoption by maritime subscriber base**

- ✓ **Iridium Certus 700 live!**

WHAT'S NEXT FOR IRIDIUM CERTUS®

Introducing new Iridium Certus service class for Maritime:

Iridium Certus® 200

- ✓ Email – Messaging - Internet
- ✓ ECDIS Updates
- ✓ IoT – Connected Ship
- ✓ Regulatory compliance: Citadel, Fisheries VMS, e-Log, etc.
- ✓ Global Maritime Distress & Safety System (GMDSS)

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Coastal shipping

Connected Ship

Workboats

Fisheries

Sailing Boats

Yachting

GMDSS – LRIT – SSAS – VMS – ANTI-PIRACY

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IRIDIUM CERTUS® 200

'Primary' & VSAT Companion use

Low Latency

High Quality Voice
- ✓ Standard 3 x HQ Voice Lines
- ✓ Cellular Smartphone-type Voice Quality

Safety Services* – GMDSS

Truly Global Coverage

All Weather Performance

Data
- ✓ IP data – Up to 176 kbps
  Down < 176kbps
  Up < 176kbps

IoT & Tracking Capabilities

* GMDSS upgrade capability is a future service.

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IRIDIUM CERTUS® 200

Iridium Certus is the ideal affordable connectivity solution for a wide variety of vessels

Iridium Certus 200 delivers:

- Optimal benefits of L-Band and Low Earth Orbit in an entry broadband solution.

- Standardized packaging and speeds.

- No asterisks, caveats and small print

Certus 200 is easy to position as a turnkey standard solution for many vessels with low TCO

✓ **Primary use**

- Turnkey solution
- Easy installation & upgrade
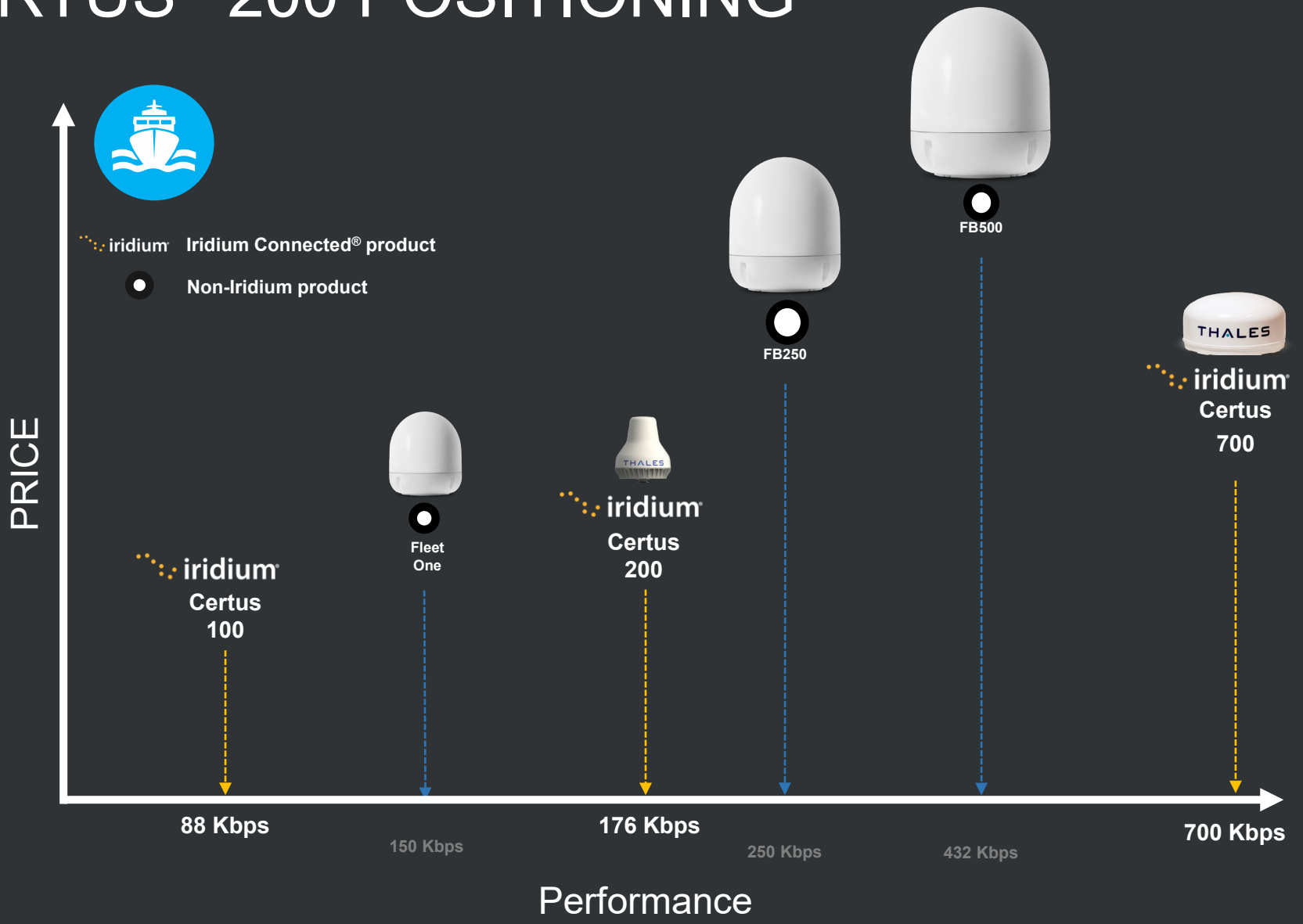- Virtually maintenance free

✓ **VSAT companion**

- Expanding hardware options for pairing Iridium Certus with VSAT connectivity
- Enabling critical ship's business to continue anytime, anywhere

IRIDIUM CERTUS® 200 POSITIONING

Smaller

Lighter

Powerful

Cost-effective

PRICE

Performance

iridium — Iridium Connected® product

◯ — Non-Iridium product

iridium Certus 100 — 88 Kbps

Fleet One — 150 Kbps

iridium Certus 200 — 176 Kbps

FB250 — 250 Kbps

FB500 — 432 Kbps

iridium Certus 700 — 700 Kbps

iridium®

WORLDWIDE OCEAN TRANSPORT

Time line

1 Nov 2017 : first call testing Iridium Next / Certus

21 Dec 2017 : installed on Suomigracht

14 Mar 2019: First productional Certus on Poolgracht

9 nov 2020 : Operational on 7 vessels

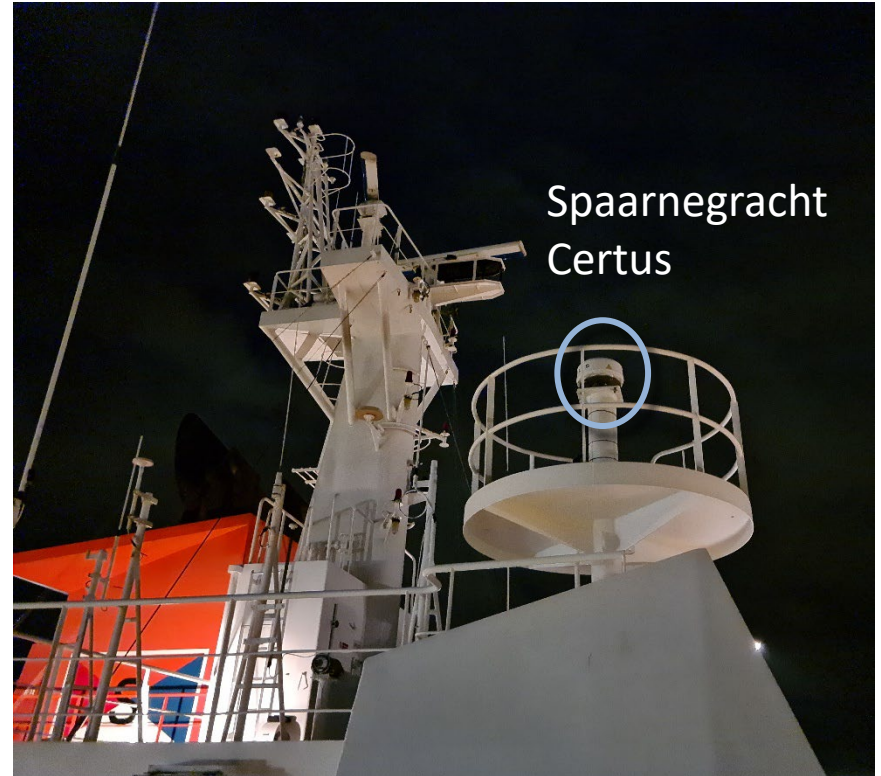SPLIETHOFF
GROUP

VSAT

Dect + VSAT power

iDirect X7

Iridium Thales

Router Fortinet
Switch Fortinet

Server

Power

Spaarnegracht
Certus

Iridium Certus

- Worldwide coverage compared to Inmarsat FBB

- Combinable with VSAT (multiple providers)

- Thales

  - Designer of Iridium Next network
    => optimal integration between terminal + network

  - Speed 352/704 (compared 176/704)