

## SETEL POWERLINE INSTALLATION CASE STUDY STAR REEFERS – COLOMBIAN STAR

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“Star Reefers chose the Setel Powerline system, firstly, to avoid running additional cables or buying and maintaining costly managed switches, and secondly, because PowerLine could hand off two VLANs from the VSAT switch across the vessel’s unmanaged network” Star Reefers Rep



### PowerLine backbone supports vessel VLANs, VoIP phones, WiFi and VSAT.

#### Requirement

Star Reefers are rolling out PowerLine across their fleet to support a myriad of applications. The Star Colombia is the first of the current project. Elsewhere in the fleet The Star Prima and Star First have been using PowerLine communications for over 2 years.

#### Desired Standard

Installation of Wifi access points on all 4 decks to provide connection to both a Crew Network and a Business Network via two VLANs.

To connect the LAN network to a new VSAT installation to provide vessel wide internet access.

To connect two VSAT VoIP phones on the Bridge and in The Captain’s cabin.

#### Method

With 1 Gateway configured as the Setel MASTER Unit installed on the main 220v Electrical Distribution Board, we were able to simply connect the 4 WAPs in the desired locations of A, B, C and D deck.

1 Gateway on the Bridge to take over the VSAT signal via a single LAN port on the server rack to the RJ45 socket of the Gateway.

2 CPE units plugged into wall sockets to connect VSAT VoIP phones.

#### Location Details

Europort, Antwerp Belgium.

#### Resources Employed

- 1 x Setel Gateway unit as **MASTER**
- 2 x Setel CPE units as **SLAVES** for VSAT VoIP Phones
- 1 x Setel Gateway unit to connect VSAT link
- 4 x WAP Units to provide WiFi coverage
- Installation Time – **8 hours**
- Install Team – **One engineer**

#### Summary

Mission accomplished in the most flexible and cost effective way, using Setel PowerLine’s suite of PowerLine products providing Networked Solutions – Enabled not Cabled.

Please see our website for Data Sheets and more Case Studies or [contact us](#) for more details.