

SETEL POWERLINE INSTALLATION CASE STUDY
SIEM CAR CARRIERS – SIEM CICERO

MAY 2017



“Siem Car Carriers are adopting Setel Powerline’s technology on their new builds to enable a vessel wide LAN for Business PCs and crew connectivity to their new VSAT installation via WiFi” Siem Rep



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

Requirement

Siem Automotive are rolling out PowerLine across a fleet of new build Best of Breed Ro-Ro vessels to support a myriad of applications. The Siem Cicero is the first of the current project.

Desired Standard

To install Wifi access points in the Engine Control Room and on the Accommodation deck to provide connection to both a Crew Network and a Business Network via two VLANs handed off from the VSAT switch across the vessel’s PowerLine network

To connect a 9 PC LAN network to the VSAT installation to provide vessel-wide internet access on a Business VLAN and 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 in The Engine Control Room, we were able to simply connect the 2 WAPs and 7 CPEs in the desired locations.

1 Gateway connected on the Accommodation Deck Electrical Distribution Board acting as a Repeater.

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

Location Details

ULJANIK Shipyard, Pula, Croatia.

Resources Employed

- 1 x Setel Gateway unit as **MASTER**
- 7 x Setel CPE units as **SLAVES** for PCs and VoIP Phones
- 1 x Setel Gateway unit to connect VSAT link
- 1 x Setel Gateway unit to act as Repeater
- 3 x WAP Units to provide WiFi coverage
- Installation Time – **9 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.