

PEPLINK CASE STUDY FOR MULTIMARINE SHIPYARDS LTD

[Multimarine](#) specializes in mechanical and marine engineering and is the owner of Ereneos dry-dock located in Limassol port in Cyprus. Its areas of operation include marine support services, inspection, repairs, maintenance, construction, welding services and fabrication.

The company has numerous clients internationally and it aims to provide top performance and value in an environmentally and socially responsible manner. Multimarine Shipyards modus operandi is a dry dock in which a vessel is flooded to allow ships on board and then is drained to allow ships to get repaired on a dry platform.



CHALLENGE

Multimarine operates in the last dock of the harbour and as a result, there is no cabling from any Internet Service Provider at this location which corresponds to poor internet connectivity. Internet unreliability instigates many problems in serving clients since ships and yachts serviced at the dry-dock require Internet access. Before the Peplink installation by [IBSCY Ltd](#), the solution offered was a point-to-point antenna which was sending internet to the dock from more than 500 meters distance and with various physical obstacles between the dry-dock and the other antenna. However, there were still many connectivity problems due to weather conditions and mostly with the “line-of-sight” between the antennas. As a result, the company was seeking a solution which would enable unbreakable and reliable internet connectivity.



SOLUTION

IBS, taking into consideration Multimarine's challenges, proposed the use of Peplink's devices and technology which is especially designed to bypass these problems. IBS solution included the deployment of a balance 310X serving as the entry point and management of the network. Balance 310X offers several WANs functionality and more specifically, a fiber connection (ethernet), cellular connection via a sim card and Wi-Fi. Most importantly, its unique failover feature enables switching between connections automatically if one them fails. In addition, 6 other devices were used to ensure internet distribution in the whole vessel and at the promenade in front of the vessel. Three AP One AC mini were implemented indoors, in the staff's cabin conference room and in the control room. Moreover, on the outside of the vessel as well as outside the captain's office, three AP Pro ACs were used to ensure connectivity everywhere.



RESULT

Following the deployment, Multimarine is now able to focus solely on providing its best performance in serving clients without worrying about connectivity problems. IBSCY with the use of Peplink hardware and utilizing the partnership with Peplink and FrontierBV, has ensured a continuous and reliable internet connection throughout Multimarine's whole area of operation. More importantly, poor weather conditions or other physical obstacles will no longer pose a threat on the company's performance and efficiency.

DEPLOYMENT



BALANCE 310X



AP PRO AC



AP ONE AC MINI