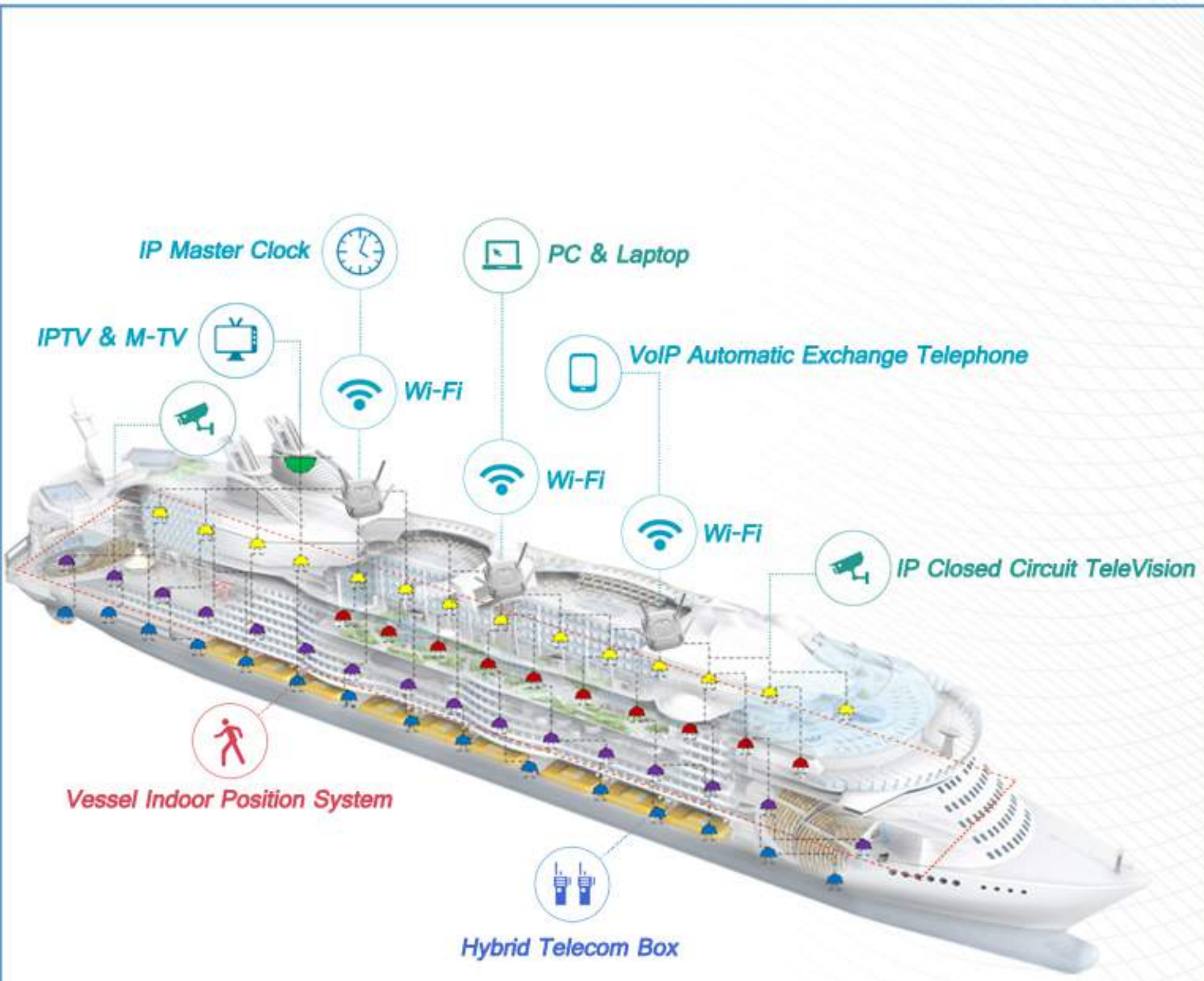


# Wireless computer network and integration



- **Wi-Fi computer network** through access points is available in all accommodation and engine room areas
- VoIP telephone and IP CCTV have been **integrated in the computer network**
- **Expansion of IP network** for other system such as IPTV, master clock system and communal aerial system can be done easily
- **Network standards**  
Wireless : IEEE 802.11. g/n  
Wire : Cat.7 network cable
- **Integrated maintenance platform** of marine IP devices and network equipment

## SWAN SYSTEM

Marine / Shipboard / Offshore / Oil & Gas Application



**For the global No. 1  
Optimum network expansion of  
convergence**



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Shipboard Wireless Area Network  
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**SWAN**NET Co., Ltd  
Shipboard Wireless Area Network



**IPTV (CAS & VoD & Satellite TV Service)**



This system is integrated with satellite TV system, CAS that are already installed on wired and wireless LAN networks. It provides service with adding VoD system based on the web. Therefore, satellite TV, CAS, VoD services are configured to use IPTV, laptop, desktop and tablet PC etc. on the smart mobile device by the crew. So they can easily upload and download files by using NAS server technology. IPTV, VoD operations, and the Display software are provided free of charge



**M-TV (Marine Multi Television)**



SWAN Marine Multi Television represents an advanced concept for marine TV... Various infotainment contents, communication and safety application for seafarer can definitely be provided by web browser of our Marine Multi TV and all of mobile devices in the ship.



**IP CCTV (IP Closed Circuit Television System)**



IP CCTV is operated with using a network cable on the ship. By installing various intelligent CCTV, it is suitable for PTZ, waterproof and dustproof to easily accessible with reliable based on TCP/IP communications. In addition to the development of satellite communications technology, a terrestrial headquarter can control sailing ships in web and mobile device by applying smart technology.



**VoIP (IP Autotelephone System)**



VoIP automatic exchange telephone system is built to use wireless IP phone and smart phone by using an integrated network cable that enable voice and video to use effectively. This latest (state-of-the-art) IT technology applied system works with existing analog automatic exchange telephone system. In addition, its design and system integration are based on the conditions to build as required by SOLAS regulation of automatic telephone with public address system, and general alarm system. A maker licence is provided free of charge for linking SIP and smart phone. - It is certified by DNVGL type approval certification



**VIPS (Vessel Indoor Position System)**



The world's first VIPS (Brand Name) is the advanced high technology applied the most common Land Indoor Positioning System and the VIPS supplies the real time safety system for crews with possessing a smart phone to detect a location on (the inside of) the ship which is basically built up of WiFi network.



**HTB (Hybrid Telecom Box)**



According to rapidly development and propagation, Voice and Data have been integrating and analog telephone system is replaced by VoIP. The telephone system installed on the ship is used as a means of voice communication in fixing area. Currently, the wireless communication method on the ship is only using an UHF walkie-talkie. However ship's smart phone for marine is launching according to generalization of WiFi network and smart phone.



**Special Cable**



**IP Master Clock System**



**SWAN SYSTEM Dell OEM Solutions Partner**



**Video Conference System**



**Ship Virtual Computing**

