abela.io

Meet "abela", a cloud based data transfer and task allocation platform for satellite connectivity.

ONE NOVATION

abela is a cloud-based solution for ship managers and enterprise organisations enabling data transfer and task allocation to remote locations such as vessels or sites. When used with satellite connectivity, abela delivers optimised data in real-time to the main office via satellite - wherever and whenever you need it.

abela provides an online management portal and interface to control and monitor tasks across all your vessels or sites helping you operate more efficiently and reduce administration costs. Choose from abela's existing modules, or utilise the proprietary efficient data transfer mechanism, eMTM, with your own 3rd party software.

eMTM
eMTM is a minimalistic data transporting mechanism that uses a specialised technology for exchanging compressed, encoded and minified data. This mechanism can reduce data packages up to 2,000 times smaller, saving companies lots of money on their satellite data usage bills. eMTM supports resume-able transport and database synchronization particularly for working over firewalls and satellite connections.

Drive
A file and folder synchronisation mechanism, enabled through the use of a cloud based storage drive and eMTM. Transmission from ship-to-shore (and vice versa) occurs across folders and files on different machines seamlessly, keeping your information up to date efficiently and effortlessly, with scheduled updates, selective updates, file filtering on multiple fields and levels as well as local caching, versioning and always with the least possible data exchange required.

Bandwidth Monitoring
A graphical display of data over a period of time, enabling the analysis of where and when the bandwidth was used across any and all of the modules.

Network Monitoring
Performs network monitoring and scanning of the various crew and business networks on the vessel or site, giving a clear image of the IT infrastructure in real-time. Graphical representation of the network diagram provides an easy to use and solid control when it comes to network intrusion, security, performance and optimization.

Antivirus Updates
Ensures the anti-virus definitions are up-to-date and installed, protecting the network at all times with a cloud based distribution model of download once and deliver to many for the remote office workstations and servers.

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