

BEMAC Corporation



“**MaSSA Insight**”, power distribution system troubleshooting application

MaSSA Insight –WADATSUMI- is a web application that automatically collects data, analyzes the cause, and proposes troubleshooting solutions when a problem happens in the power distribution system.

The following are the three main features:

1. When a trouble happens, a troubleshooting guidance automatically pops-up by the application.

No special operations are required during the hectic time when a problem happens. Simply launch the application to confirm the next steps for recovery.

2. The application can be used on board and shore.

The application can be used anytime on a PC connected to the ship's LAN on board or the Internet at the shore office. In the event of trouble, the exact same situation can be monitored both on board and shore simultaneously to support the quick recovery.

3. The only preparations required are the installation of a shipboard data server and a data output device to the main switchboard.

MaSSA Insight is also equipped with other data analysis/monitoring functions such as “**Engine Monitor**”, which enables monitoring of engine conditions from various angles, “**Alarm History**“, which checks alarm history of AMS, and “**Knowledge Alarm**”, which allows setting alarms under multiple conditions based on the knowledge of skilled engineers.



Engine Monitor



Troubleshooting Guidance

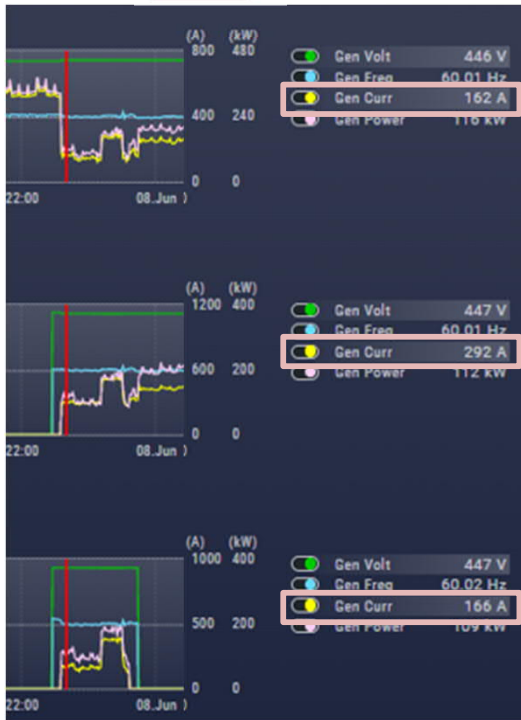
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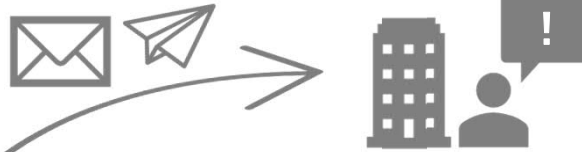


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Cross current occurs!



Detection ⇒ Email notification



Sharing of problem information between onboard and onshore.

The same application can be used to check the situation, quickly troubleshoot problems, and prevent accidents from occurring.



Restored to normal condition!



An example of early resolution of a problem by setting an alarm to detect Cross currents using the Knowledge Alarm function, which allows the user to freely set alarms. This system can be used for all kinds of inspections, such as blackout detection, depending on the device.