

# SVB



## Battery Monitoring System

Control of battery parameters increases the submarine battery life.

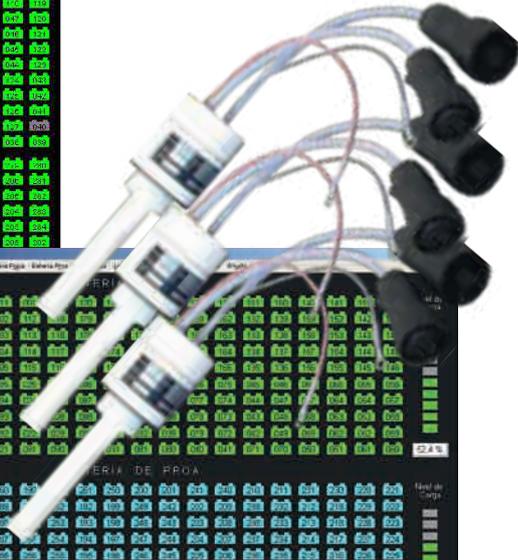
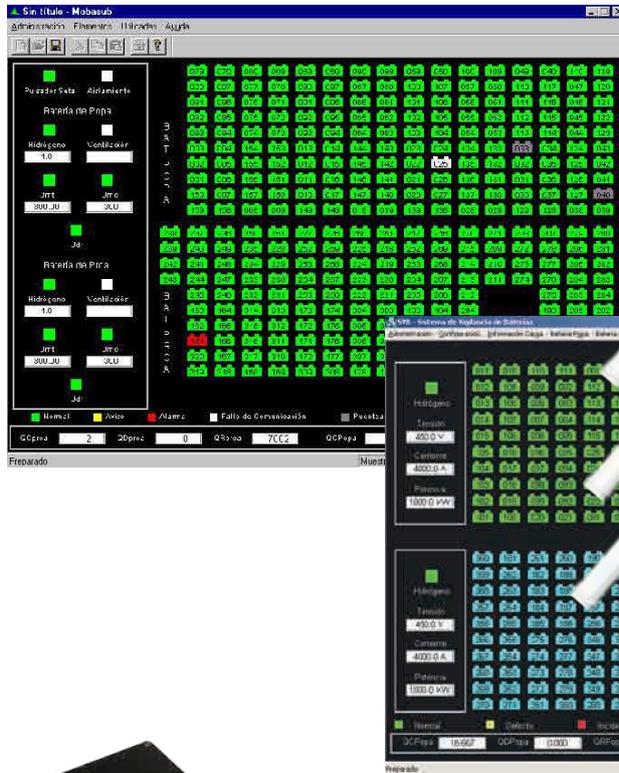
SVB is a submarine battery monitoring and surveillance system, which provides information concerning to the general status of batteries .

Systems based on lead-acid batteries need for staff to monitor the charge / discharge processes.

By monitoring the main parameters of each individual battery cell (voltage between terminals, temperature and electrolytic level) during charge and discharge cycles, battery life increases.

SVB also provides information related to the charge state, remaining autonomy in discharge or the charge residual duration in charge.





SVB allows its installation on any platform, either integrated with the platform control system or in stand-alone mode by using a dedicated console, and with various battery configurations, both in the arrangement as in number of battery cells.

**Main Capabilities**

- Assistance to the operator for batteries control and surveillance.
- Monitoring of operational state of each cell: voltage, temperature and electrolytic level.
- Monitoring of electric energy available, and evaluating of remaining autonomy in discharge or the charge residual duration in charge.
- Identification of defective cells.
- Safety against hydrogen high levels.
- Adaptable to different configurations.
- Topography MMI with colour codification for status.
- Automatic measurement of parameters from 100% battery cells.
- Monitoring of battery global variables (global voltage and current).
- Possibility of battery evolution predictions based on the modeled operational curves.

SVB is a mature battery monitoring system, which has been chosen by numerous Navy around world to extend the battery life of their vessels.



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