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On line monitoring of the power control and engineering parameters systems of the NEMO Phase-2 tower.

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The NEMO Collaboration is presently carrying out an intense activity on “NEMO Phase-2” project for the realization of a 16 floor tower. In this paper the design of the electrical power control system and of a system for the monitoring of some engineering parameters, like depth, floor orientation and attitude and acceleration, are presented. The proposed architecture is strongly modular and flexible. The entire architecture is described with a special focus on the electrical parameters display and protection system and on the sensors fusion algorithm implemented to obtain the attitude through MEMS accelerometers and magnetometers sensors.

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