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**Current status of automation of the SLR systems at the Geodetic Observatory Wettzell**

The Geodetic Observatory Wettzell operates two laser ranging systems: the newer Satellite Observing System Wettzell (SOSW) and the Wettzell Laser Ranging System (WLRS), which was installed in the early 1990th. Both systems are controlled by one operator to run both systems with the existing staff. To decrease the number of duties of an operator, keeping both systems tracking in parallel while optimizing the data production, a new project was started to resume the implementation of system automation again. The automation should be increased in several phases, while the final goal is a completely autonomous system. The design consists of three pillars: the (Laser) Safety System, the System Monitoring, and the System Scheduling and Control. All three run independently. The Safety System implements all safety, interlock, and emergency features. The System Monitoring collects and presents system status parameters. Finally, the System Scheduling and Control plans and operates the autonomous observations. It interacts with the hardware, represented by individual control software. All components communicate with a clientserver architecture which is generated by the software generator “idl2rpc.pl” on the basis of interface descriptions. First implementations using this design are promising. The talk explains the concept, shows the recently implemented components, and outlines the future plans.