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The Use of PANIC Alarm System at ALBA

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ALBA is a third generation synchrotron light source near Barcelona (Spain). In operation for users since 2012, we aim at continuously improve the beam availability by increasing the mean time between failures and decreasing the time to recover the beam. . Here we present our experience with PANIC; an alarm handler that puts on alert the accelerator control room crew when a subsystem or a beam parameter drifts away from its nominal values. PANIC is completely integrated in the Tango control system and can be easily configured by the final user. The notifications are sent out by SMS, email or loudspeaker in the Control Room. Other actions like moving motors or launching scripts have also been configured as a response when an alarm is activated. In this contribution we will show you some of the examples developed at ALBA and how they helped to improve the machine availability.

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