WEB BASED MACHINE STATUS DISPLAY FOR THE SIAM PHOTON SOURCE

Mr. Natthawut Suradet

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Synchrotron Light Research Institute (Public Organization), Thailand
Synchrotron Light Research Institute (SLRI) is located in the campus of Suranaree University of Technology, in Nakhon Ratchasima (Korat), Thailand.

- The SPS electron beam energy is 1.2 GeV, and the electron current injected for each operation cycle (filling) is 150 mA.
- The SPS storage ring circumference is 81.3 meter containing 4 superperiods, Double Bend Acromat (DBA) lattice, 8 bending magnets.
Web Based Machine Status

SOFTWARE ARCHITECTURE

DESIGN & CODING
- Frontend framework with Bootstrap
- Asynchronous communication with AJAX
- Real-time graph with Highcharts JS
- Notification broadcasting with Twitter
Web Based Machine Status

- SPS machine status on mobile device
- The machine status web page on desktop browser
- http://accelerator.slri.or.th/machine-status/
Thank you for your attention