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The Present Status of Siam Photon Source and Recent Development of Soft X-ray Beamline

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The Siam Photo Source (SPS), one of two light sources in South East Asia, has been operating for more than 10 years serving academic and industrial users in Thailand, and users from International. The machine is 1.20 GeV second generation light source with storage ring of 8 bending magnets and 3 insertion devices (undulator, multipoles wiggler and superconducting wavelength shifter). The additional superconducting multipoles wiggler will be installed in August 2018 for new beamline called “ASEAN Beamline”. The full energy injection mode has been studied to replace 1.0 GeV injection mode. The beamlines themselves are developed to improve the capability and operating performance. The Soft X-ray beamline is the first beamline installed at SPS. Initially, it was sourced by bending magnet, but later it was upgraded to undulator since 2011. This beamline is for PES, Soft-XAS and PEEM techniques with photon energy range from 40eV and 1040eV. The detail of development will be discussed.

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