

The National Grid has the mission of transforming Singapore into a nation where compute resources can be interconnected via a next generation cyber-infrastructure, that allows the sharing of compute resources in a secure, reliable and efficient manner by authenticated users for education, commerce entertainment, R&D, and national security in order to improve the economic and technological competitiveness of the country.

National Grid (Phase 1) was launched on 1 November 2003 with several 1Gbps high-speed networks connecting over 250 CPUs belonging to Agency for Science, Technology and Research (A\*STAR) research institutes, National University of Singapore (NUS) and Nanyang Technological University (NTU). Compute resources has increased to nearly 1,000 CPUs, with some 15 grid-enabled applications from the R&D community running on the National Grid Pilot Platform (NGPP). This successful linking up of the research institutes, universities and various government agencies has paved the way the strong industry participation in the second phase.

The National Grid (Phase 2) was officially launched on 3 May 2005 by Mr. Lim Hng Kiang, Minister for Trade & Industry, at GridAsia 2005.

Phase 2 is co-funded by the two research councils of the A\*STAR – Science & Engineering Research Council and Biomedical Research Council, the Defence Science & Technology Agency (DSTA), the Infocomm Development Authority (IDA) of Singapore, NUS and NTU.

In Phase 2 of National Grid, the focus is on promoting the adoption of Grid Computing by industry and business users. Besides the R&D community, we see good potential in the digital media, collaborative manufacturing, engineering services and education sectors.