



The National Grid has the mission of contributing towards Singapore's economic and technological competitiveness through the sharing of computing resources in a secure, reliable and efficient manner by authenticated and authorized users for education, commercial, entertainment, R&D and national security purposes.

This follows on the successful pilot phase (2003 – 2004) of implementing a national cyber infrastructure, known as the National Grid Pilot Platform (NGPP), that links up compute resources in Singapore.

The successful adoption of Grid Computing by the R&D community in the pilot phase has paved the way for strong industry participation in Phase 2 of the National Grid, which was launched in May 2005. It takes a sector-based approach in promoting the adoption by business and industry users. The initial verticals are digital media, manufacturing and education. Other economic sectors where the benefits of Grid Computing can be harnessed will be identified later.

Phase 2 has the theme of moving from lab to practice and industry. It will leverage on the synergistic working relationships between the various government agencies and industry to realize its objective.

The National Grid initiative has been fortunate to benefit from the strong support of the Grid community that has participated enthusiastically in various capacities, which resulted in a flurry of projects in Grid Computing. This booklet gives an overview of the National Grid effort in Singapore and provides a glimpse of some Grid projects in Singapore. This compilation is by no mean exhaustive. The projects range from applications to infrastructure with implementations in domains such as digital media, life sciences, physical sciences, manufacturing and others.

It is our hope that the information herein will lead to more collaborative efforts - in the true spirit of Grid.

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Chairman, National Grid Steering Committee