

Project Planning
using
Technology Management Information

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A project involving short-cycled, high technology components can be difficult to plan in the existing market and technological development scenario. The planning can become more complex in a fast growing economic environment. Any major mismatch in the design philosophy, selection, installation, operation and maintenance of the components in the installed system will greatly affect the performance efficiency, reliability and availability of the desired capacity of the project. This will cause capacity shortage earlier than expected. In order to enhance the desired capacity further capital investment may be required. This untimely investment will have a negative impact on the total project performance plus the fact that this forced-investment will be an economic constraint to the investor and owner of the project.

There exist example of projects that fit the above description both locally and internationally. The impact of such failing projects will be less significant on strong and big systems. However, the significance on small and weak systems will be tremendous. Further more, the impact will not be limited in the local environment only but it will spread nation-wide Therefore, the management of projects planning in small but fast developing economies will face the pressure of ensuring that every project is successfully planned and executed otherwise the impact on the owners will be devastating.

This paper will demonstrate the application of technology management information in implementing projects so that they can be commissioned in time with the planned budget and able to be operated with the desired efficiency and availability.