Issues in Facilities Management and Maintenance
a Malaysian Perspective

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MAINTENANCE
A MALAYSIAN PERSPECTIVE

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A CASE STUDY OF AIRPORT TERMINAL

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1.1 INTRODUCTION

In recent years, regional and international transport hubs around the world have initiated and undertaken various energy efficient policies and retrofitting activities in an effort to reduce long term operating costs such as energy consumption.

Energy efficiency in these large structures is important as it may consume power equivalent to the demand of a small town. Generally these hubs are regarded as national symbols and they are structures which act as gateways by tourists to cities and countries. These building types are usually operated 24 hours every day, seven days a week. In a hot, humid climate, they are typically fully air conditioned. There is continued pressure to decrease operational costs that erode the bottom line. Energy savings and energy management are key areas that are targeted as part of overall environmental management as part of its efforts towards reducing carbon emissions and achieving long term operational cost savings of such facilities. A facility’s environmental policy will need to address energy efficiency as part of its overall facility and environmental management plan through more detailed understanding of energy usage patterns, a more comprehensive energy monitoring regime and regular internal reviews of energy performances of its facilities.

There is a trend to investigate the opportunities available in developing a systematic approach for tackling the multiple opportunities for energy and maintenance cost savings in energy consuming systems such as lighting and control system(s) in the main transport buildings such as transport hubs such as train stations and airport terminals- starting with the main entrance and concourse areas. Issues and targets on energy savings have become part of the maintenance and costs policies. Currently, various technologies and products are available