



## Service Priorities and Programmes Electronic Presentations

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### **Success factors of energy saving in hospital**

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#### **Keywords:**

energy conservation

energy efficiency

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#### **Introduction**

Energy intensity of hospital buildings is significant in terms of carbon emission and operating cost. The central air-conditioning and hot water supply account for major usage of energy. By means of proactive operation & maintenance of heating, ventilation and air-conditioning system equipment & heat pumps, satisfactory energy efficiency could be achieved.

#### **Objectives**

1. To conduct carbon audit and identify energy conservation opportunities; 2. To prioritize with focus on condition of heating, ventilation and air-conditioning system equipment & heat pumps; 3. To plan maintenance projects & operations to improve energy efficiency performance.

#### **Methodology**

Case study of energy management with focus on maintenance of heating, ventilation and air-conditioning system & heat pumps.

#### **Result**

Significant saving of electricity and cost in the summer season was possible. KWH was winner of award schemes, namely "Energy Saving Promotion Program 2015" and "Power Smart Energy Saving Contest 2015".