

## CASE STUDY 5

### HOTEL

Simultaneous heating & cooling creates comfortable climate in any room, in any season.



**Project Period**  
June 2018

**Installed Units**  
„Universal Smart X EDGE“ (4 modules) for cooling

### PROBLEM STATEMENT

The hotel's original heavy oil absorption chiller needed to be replaced after 46 years of service. The new system was to

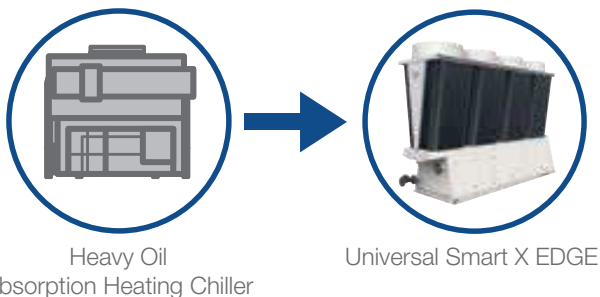
guarantee the high comfort requirements of the guests as well as operational safety.

### SOLUTION

To meet the hotel guest's comfort needs, TOSHIBA recommended replacing the existing chiller with the Universal Smart X.

- Convert energy from expensive heavy oil to electricity and eliminate the cooling tower to achieve energy savings for the entire system.

- Reduced maintenance costs and time thanks to a new reliable system and easy service.
- Stable and flexible operation even in cold climates.
- Backup for each module ensures the greatest possible operational reliability.



### ADVANTAGES

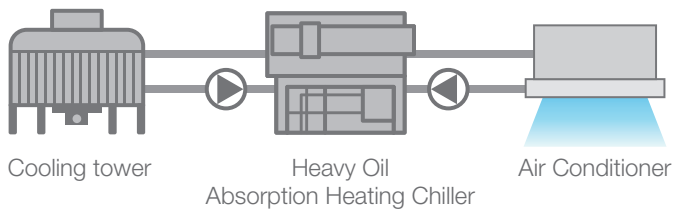
The change from the original expensive heavy oil absorption chiller to the air-cooled Universal Smart X saved energy and maintenance costs.

1. Reduction of energy costs by 50%.

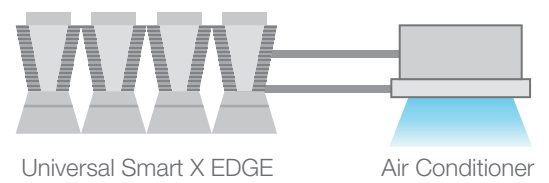
2. New system reduces operating and maintenance costs.
3. This modular unit helps diversify default risk.

## System Overview

Original System



New System



## CUSTOMER'S OPINION

This hotel is one of the oldest buildings. After 46 years of service, we struggled with the frequent failure of the old air conditioning system. TOSHIBA Universal Smart X

Chillers cut maintenance and energy costs in half. The chiller offers additional benefits such as high efficiency during the winter months.