

# RECP Best Practices Catalogue

*Implementation of an Energy Accounting System*

*Developed within the framework of MED TEST II*



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION



The SwitchMed Programme is  
funded by the European Union

# Best Practice - Implementation of an Energy Accounting System

<b>SECTOR:</b>	<b>Chemical and Pharmaceutical</b>
<b>Branch:</b>	Manufacture of basic pharmaceutical products
<b>CATEGORY</b>	Process control or modification
<b>APPLICABILITY</b>	Process

<b>COMPANY SIZE</b>	600
---------------------	-----



The SwitchMed Programme is funded by the European Union

# Best Practice - Implementation of an Energy Accounting System

## Description of the Problem (Base Scenario):

- There is no efficient energy Accounting in the factory
- There are several sub meters but they are not properly used.
- It is strongly recommended to set up an energy accounting system in order to keep track of consumption drifts, to retrieve specific consumption by machine or activity and also to enable a reliable evaluation of any improvement measures taken (in particular to save energy).

## Description of the Solution

In order to properly monitor and evaluate the recommended energy saving measures, an energy accounting system based on the sub meters is recommended.



The SwitchMed Programme is funded by the European Union

# Best Practice - Implementation of an Energy Accounting System

<b>Economic Gains</b>	Savings of € 20,000/year
<b>Environmental Gains</b>	Energy Savings: 3% CO <sub>2</sub> rate reduction by 245 tons/year, i.e a 3% reduction.
<b>Health and Safety Impact</b>	-



The SwitchMed Programme is funded by the European Union

# Best Practice - Implementation of an Energy Accounting System

**Capital Investments  
& Financial Indicators** € 40,000

Time for Return on Investment: 2 years

**Supplier Information**

-

**Other Aspects**

-

**Implementation**

Planned in 2019



The SwitchMed Programme is  
funded by the European Union