

CASE STUDIES

The following are a few examples of zero capital interventions carried out by ceramic companies following an “intelligent energy audit”. A simple analysis of the data collected by the system enabled corrective action to be taken, leading to significant energy savings without the need to invest in new plant and/or technologies.

CASE STUDIES /1

Energy wasted on Sundays and public holidays

INPUT DATA

Site: Production facility

Monitored utility: Electric POD

Reference period: April 2018

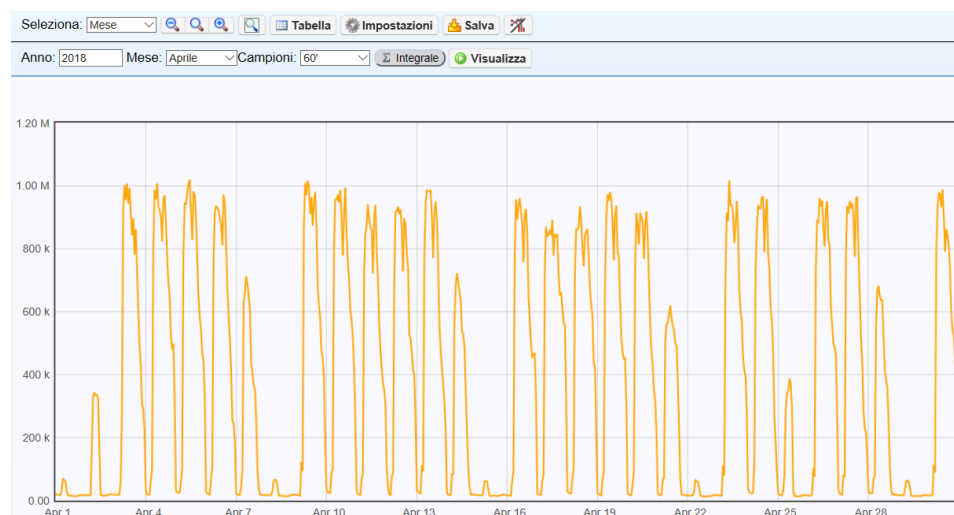
Weekday public holidays: Monday 2 April and Wednesday 25 April

MEASURED DATA

Recorded monthly consumption: 288,505 kWh

Consumption recorded on weekday public holidays: 3,572 kWh

Consumption recorded on Sundays: 600 kWh



Type of identified criticality: management

Measure: corrective action (turning plants off on weekday public holidays)

Investment: zero capital

Saving: 1.2%

(source: TEP Energy Solution)

CASE STUDIES /2

Non-synchronised machine operation

INPUT DATA

Site: Production facility

Monitored user device 1: Dryer

Monitored user device 2: Compressor

Reference period: April 2018

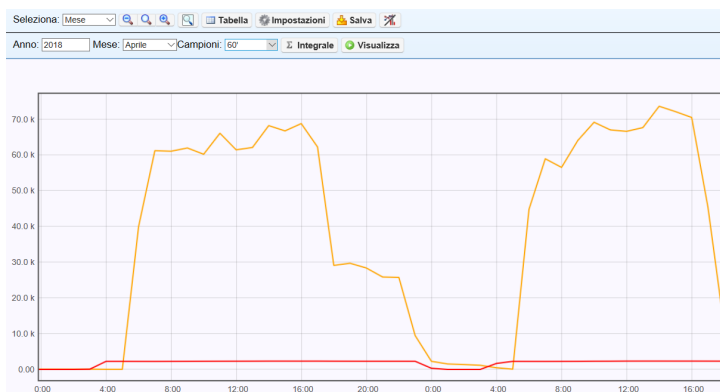
Note: periods in which both machines are operational are considered

MEASURED DATA

Monthly dryer consumption: 1,007 kWh

Monthly compressor consumption: 17,443 kWh

Consumption recorded for dryer during compressor stand-by periods: 28 kWh



Type of identified criticality: management

Measure: corrective action (synchronisation of dryer and compressor operation)

Investment: zero capital

Saving: 2.8%

(source: TEP Energy Solution)