



ENERGY REDUCTION OPPORTUNITIES DURING CONSTRUCTION

WHY SHOULD I REDUCE ENERGY USAGE ON SITE?

The **cost of energy usage** on a construction site (electricity and diesel) can equal up to **€13.07/m²** of the project's floor area

or up to **34%** of a **project's profit margin** (based on 9 case studies and an assumed profit margin of 1.5%)



01 Install occupancy sensors in the site accommodation.



02 Plug out or switch off transformer boxes at night.



03 Install photocells for security lighting.



04 Reduce temporary lighting during daylight hours.



05 Ensure early connection to the electrical grid to minimise generator usage.



06 Run an energy awareness campaign to improve awareness.



07 Reduce the idling times of plant and machinery through driver training.



08 Install a thermostat in the drying rooms.



09 Reduce night-time electricity usage by switching off lighting at night.



10 Ensure office equipment is set to 'sleep' automatically and switched off at night.

THE RESULTS



POTENTIAL **REDUCTION OF ENERGY COSTS OF BETWEEN 18% AND 69%** (based on 9 case studies and an assumed profit margin of 1.5%)

POTENTIAL **ENERGY COST SAVING OF BETWEEN €2.40 AND €4.64/m²**

POTENTIAL **SAVING OF UP TO 20% OF A PROJECT'S PROFIT** (at 1.5% margin)