



Our Clients

Case studies & References

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Industry Manufacturing Plant

A MULTINATIONAL REDUCES ENERGY WASTES



Client

Biesse S.p.A.

Location

Pesaro Plant. Lighting system: **2198 hours of operations per year**

Challenge

Need to reduce costs and increase the visual comfort and the environmental impact

Solution

VOLTA and DA VINCI luminaires with superior performance

RESULTS



Energy saving,
Reduction of costs
and competitive advantage
as consequence



Safer work areas
comfort
Productivity



Reduction of CO2
emissions

BIESSE S.P.A. | PROJECT INFO

Before



After



PRE INTERVENTION

Installed power: **491,23 kW**

Lighting energy consumption: **30%**

Yearly consumption: **1.001.559 kWh**

High energy costs and high maintenance costs

Low and inadequate lighting

Reduction of risks and accidents

High environmental impact

POST INTERVENTION

Installed power: **99,32 kW**

Luminaires: **702 Volta | 11 Da Vinci**

Yearly consumption: **208.726 kWh** **-80%**

Proper lighting

High visual comfort and well-being

Safer work areas

Sustainability **-391 tons CO₂/ year**



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Industry
Extreme conditions work areas



FOUNDRY: EXTREME WORK AREAS FOR LIGHTING AND WORKERS



Client

Fondar S.p.A.

Location

Ostra Vetere, Ancona

Challenge

Reduction of energy and maintenance costs and proper lighting

Solution

Luminaires VOLTA, superior performance specifically design for extreme Conditions such as temperatures until 75°C

RESULTS



Reduction of energy
Consumption and
maintenance
costs



Visual comfort, proper lighting
to ensures
safety and reduces risks and injuries



Reduction of
CO2 emissions

FONDAR S.P.A. | CHARACTERISTICS OF THE WORK AREAS WITH AND WITHOUT OUR SOLUTIONS

Before



High temperatures and high concentration of dust

Dark plant. Non compliant lighting

Lack of safety, High risks of injuries and accidents

**Inefficient lighting, difficult to maintenance
of the luminaires**

High energy and maintenance costs

High environmental impact

After



High visual comfort and safer work areas

Installed luminaires: 70 Volta

Reduction of energy costs

**Reduction of maintenance costs thanks to a
longlife time solutions and specific characteristics
of the luminaires**

Proper lighting complies with standards

Sustainability

BUZZI UNICEM S.P.A.: A LEADING CEMENT PLAYER



Buzzi Unicem

Client

Buzzi Unicem S.p.A.

Location

Vernasca Plant, Augusta Plant

Challenge

Reduction of operating costs and increase of lighting levels

Solution

VOLTA and DA VINCI superior performance fixtures, specifically designed for Extreme conditions environments

RESULTS



**Reduction of energy and
maintenance
costs**



**Visual Comfort
Safety
Productivity**



**Reduction of CO2
emissions**

BUZZI UNICEM S.P.A. | PROJECT INFO

VERNASCA PLANT

Pre Intervention Consumption: 2.239.527 kWh

Post Intervention Consumption 777.815 kWh

**Luminaire: n.142 VOLTA, n.100 MATTEUCCI
n.60 DA VINCI**

Increase of lighting level > 70%

ENERGY SAVING:

Over 60%



AUGUSTA PLANT

Pre Intervention Consumption 1.611.532 kWh

Post Intervention Consumption 516.041 kWh

**Luminaire: n. 211 VOLTA, n.48 MATTEUCCI,
n. 60 DA VINCI**

Increase of lighting level

ENERGY SAVING

Over 70%





3

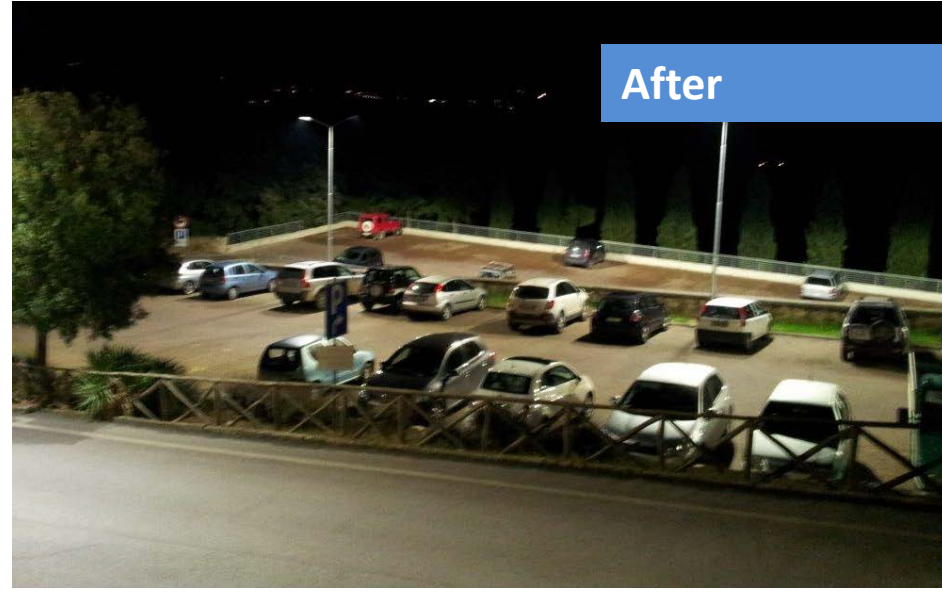
Public lighting Urban and street environments

EFFICIENT STREET AND URBAN ENVIRONMENTS

Before



After



PRE INTERVENTION

Installed power: **163 kW**

Yearly consumption: **662.393 kWh**

Number of fixtures: **1502**

High maintenance costs

Lack of lighting, not comply with the standards

Lack of visibility and safety

High environmental impact

POST INTERVENTION

Installed power:: **59,5 kW**

Yearly consumption : **184.232 kWh** **-70%**

Number of fixtures: **813 Lùmino**

Reduction of maintenance costs

Proper lighting, complies with standards

Safer vehicular and pedestrian traffic

Sustainability and no light pollution

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**Large areas lighting
High**



OUTDOOR WIDE AREAS APPLICATIONS

GLASGOW-AIRPORT

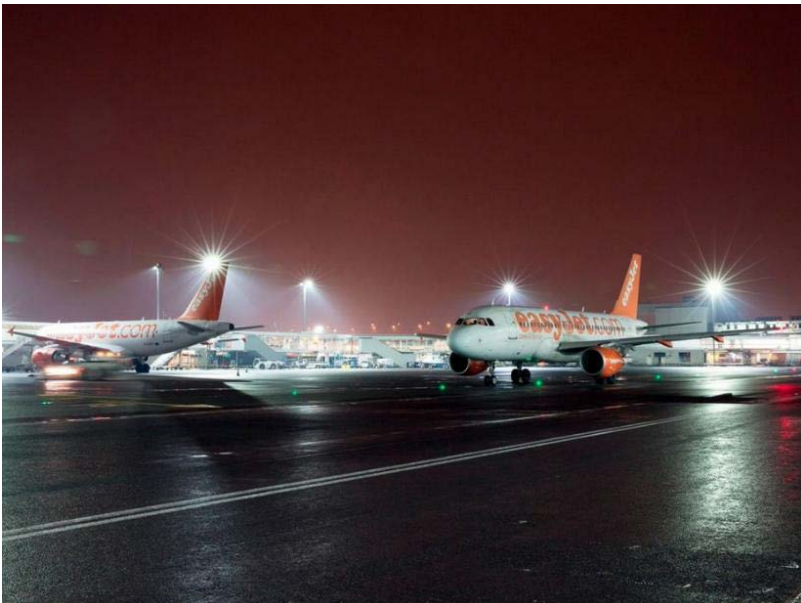
Pre Intervention n. 236 SAP 400/1000W

Post Intervention n. 164 SPARTA 400W

Increase of lighting levels+ 50%

ENERGY SAVING:

Over 60%



READING BOROUGH COUNCIL

Pre Intervention n. 64 SAP 400W

Post Intervention SPARTA 265W

Increase of lighting levels+ 50%

ENERGY SAVING:

Over 50%



OUR CLIENTS



WORK IN PROGRESS

TERNIENERGIA HAS SIGNED AN ENERGY EFFICIENCY LIGHTING CONTRACT WITH THE TPF FORMULA OF A LEADING CEMENT PLAYER

1 GW/h
Per year

ESTIMATED
SAVING

4.497
↓
2.853

Reduction of
luminaires with
Greenled Industry solutions



FOR FURTHER INFORMATION

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