

Case Study

[GMP Office]

Airis Energy Solutions UK



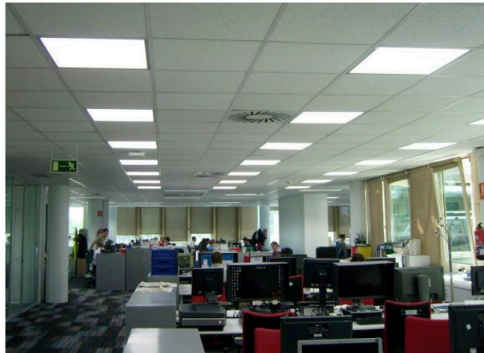
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Previous Situation

GMP is one of the largest property-owning groups in Spain. In this case study we analyze the light replacement of one of their office buildings.

We exchanged 4Ft fluorescent tubes with our state of the art Smart LED panels.

Airis LED Solution

The solution proposed to GMP is based on the replacement of the fluorescent luminaires by led panels as well as a redistribution of the light points to increase efficiency, reducing the number of luminaires according to the UNE 12464 Workplace Lighting.

Building Data

Location: Calle Eloy Gonzalo (Madrid)
Surface area: 1.500m²
Luminaires: 1.800
Tubes: 7200

Business Type

Investment (Cash): Customer invests and gets big profits, 100% of the savings from the first moment.

Previous Situation



Airis LED Solution

7.200 fluorescent tubes

Operating hours: 12

Type: 18W electronic ballast

Lifetime: 8.000 hours

CRI: >70

Colour temperature: 4.000 K

Energy consumption: 494.208 kWh/yr

Energy bill: 64.247 €/year

Lux: 400lx

1.350 panels slim 2x2 ft

Operating hours: 12

Type: AIRIS LED Panel Slim 2x2 ft 35W

Lifetime: 50.000 hours

CRI: >80

Colour temperature: 4.000 K

Energy consumption: 147.420 kWh/yr

Energy bill: 19.165 €/year

Lux: 550lx

Actions Carried Out

- Visit for viability evaluation
- Lighting levels measured before and after
- Dialux
- Led panels installation
- Final acceptance test
- Check consumption

>70% SAVINGS

Summary of benefits:

Results were, >70% less energy consumption, with the lighting levels improved by 38%. In addition, a reduction of 144 tonnes of CO2 per year has been achieved.

	CONVENTIONAL LIGHTING	LED LIGHTING
ANNUAL CONSUMPTION	494.208 kWh/year	147,420 kWh/year
ANNUAL SPENDING	64.247 €/year	19,165 €/year



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