

Industrial Lighting Engineering.

100% LED



About us

i-SAVE
Less Energy. Smarter Light.

The Company

1969
45 years experience in:
 · Industrial Transformers
 · Plastic Injection
 · Moulding
 · Power Supply

Certified Production Plants
 · ISO 9001:2008 · ISO/ TS 16949
 · ISO 14001:2009

45 years of know how for LED lighting development

2007
LED
 · Research & development
 · First prototyping

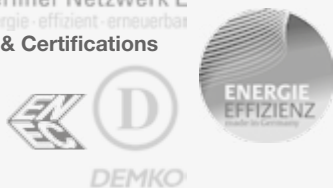
2008
Brand Launch



2010
Company Launch
 i-save energy GmbH, Berlin
 · Products
 · Sales/Projects/Management
 · Consulting/Light Planning

2012
Berliner Netzwerk E
 energie · effizient · erneuerbar

2013
Networks & Certifications



2014
Awards



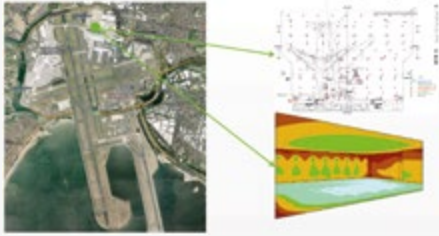
The Know How



Worldwide Projects

Projects

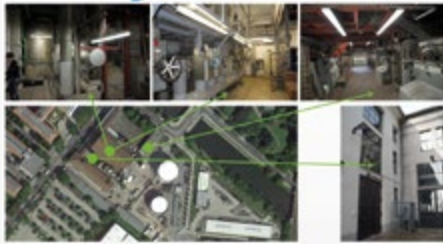
QANTAS The Spirit of Australia Airplane maintenance hangar – Sydney



DewiBack Cold storage for baked goods – Berlin



VATTENFALL District heating power plant – Berlin



Rexroth Bosch Group Hall lighting – Stuttgart



Case Studies

Automotive industry

	previous (old)	new solution (new)	
Generally			
Number of tubes	24	24	
Art	58 W T8 fluorescent	PlusLED 30 W	
Total power	1.656 W	720 W	
Total power per area	10,76 W/m²	6,34 W/m²	-53 %
illuminance level			
Average illuminance level	158 lx	143 lx	
Uniformity	0,44	0,46	
Costs			
			+ sensor technology
x 365 days (= 6.000 hrs)	9.935 kWh	4.320 kWh	1.152 kWh (= 1.600 hrs)
x 0,15 € / kWh (=5 % / Year)	1.490,40 €	648,00 €	172,80 €
x 10 Years	18.746,09 €	8.150,47 €	2.173,46 €
Maintenance costs (over 10 years)	3.809,42 €	1.985,58 €	406,50 €
Investment		1.708,00 €	1.708,00 €
Total savings in 10 years	10.681,46 € / 10 years		18.196,65 € / 10 years
			ROI 13 Month
			-80,7 %

Mechanical engineering company

	previous (old)	new solution (new)	
Generally			
Number of luminaires	86 x 250 W, 739 x 400 W	565 x 234 W, 8 x 30 W	
Art	HQL	ApoluxLED, PlusLED	
Total power	363.985 W	171.140 W	-53 %
illuminance level			
Average illuminance level	513 lx¹	516 lx	
Costs			
			+ Wireless Light Control
Hall 228: 4.680 hrs / year	978536 kWh / year	276.214 kWh / year	185.349 kWh
Hall 107: 6.500 hrs / year	1.006.824 kWh / year	572.780 kWh / year	384.674 kWh
x 0,15 € / kWh	297.804,08 €	127.349,04 €	85.503,46 €
x 10 years (+5% / year)	3.745.747,70 €	1.601.782,53 €	1.075.453,31 €
Maintenance costs² (10 years)	654.983,18 €	217.815,52 €	217.815,52 €
Investment	---	464.331,22 €	523.895,32 €
Total savings in 10 years	2.116.465,61 € / 10 years		2.583.230,73 € / 10 years
			ROI 23 month
			ROI 22 month



1. Theoretical value with new luminaires, appreciated actual value: 300 lx
 2. Installation through smart electronics

INDUSTRIEPREIS 2014
A++
127 lm/W
Plus X Award
ROI < 12 Month
Ra80
ENEC
Dimmable



Product-Brochure

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