

RECP Best Practices Catalogue

Optimisation of lighting system in production areas

Developed within the framework of MED TEST II



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



The SwitchMed Programme is
funded by the European Union

Best Practice - Optimisation of lighting system in production areas

SECTOR:	Leather
Branch:	Tanning and dressing of leather
CATEGORY	Technology upgrade/Eco-innovation
APPLICABILITY	Utilities

COMPANY SIZE	509 Full-time Employees
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TEST Training kit

Best Practice - Optimisation of lighting system in production areas

Description of the Problem (Base Scenario):

After an assessment of the lighting system condition and its service times per production area, we notice that the brightness is insufficient while consuming a lot of energy.

Description of the Solution:

Replacement of the T8 neon tubes with T5 neon tubes powered by electronic ballasts.



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Economic Gains This represents a € 12.5 thousand gain.
Energy gains of 46.7%.

Environmental Gains This operation also includes a yearly CO₂ reduction of: **71.3 tons of CO₂**.

Health and Safety Impact Improves the visibility for workers



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Capital Investments & Financial Indicators	Cost of purchasing of T5 tubes: € 14,000. Time for Return on Investment: 1.1 year
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Supplier Information	Local
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Other Aspects	none
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Implementation	The company has already installed these fixtures.
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