



**Industrial Alliance
for Reducing Energy consumption and CO₂ emissions
(IND-ECO)
Leather and footwear industries**

**WP 5: INVESTMENTS
Deliverable 5.1: Investment and Action Plan**

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Action plans

Context	ISO 50001, Clause 4.4.6 – Energy objectives, energy targets and energy management action plans
Aim	<ul style="list-style-type: none"> To define and share with all involved persons tasks, responsibilities, resources, working plan for single energy improvement actions To keep under control changes in the work plan
What to do	<p>Choose a template, similar to that provided in the example, suitable for your company requirements.</p> <p>Fill it in asking for the cooperation of all the interested responsible and persons.</p> <p>The “Energy team” should be involved in the preparation of the plan.</p> <p>Management shall provide required resources.</p>
Notes	<p>It is recommended that each single task has its own responsible individual as well as the global action.</p> <p>It is not necessary to fill in an “action plan” for each objective. Maybe some simple objectives do not require a detailed work plan. Alternatively, an objective may require more than one complex action: in these cases, it may be useful to fill in more than one “action plan”.</p> <p>Attach assumptions and calculations of energy saved and CO₂ reduced</p>



Example of investment plan overview

INVESTMENT PLAN OVERVIEW

Proposed Investment	Responsible	Outside supplier	Budget	Proposed installation dates	Estimated % Energy saving	KWh (primary) saved per year	tCO₂e saved per year	Cost saving per year	Payback period
To install a system that recovers heat from 50kW compressor and pipes it through the factory	Mr. Hothead technical office		2.500 € +4,5 man days	August 31 (1 day)					

Company Name (or Code).....



Example of action plan

Action plan						
Objective n.4 - Heat recovery from a 50 kW scroll compressor						
General responsible: Mr. Hotheat						
Task	Responsible	Budget	To be involved	Deadline	Output	Comments
Define heat exchange system and pipelines	Mr. Hotheat, technical office	0 Euro 2 man days	Maintenance	March 31 2016	Drawings	May be necessary move other pipelines
Plan the plant stop for installation	Production manager	0 Euro 0,5 man days	Maintenance Mr. Hotheat	April 30 2016	A date for the plant stop	If no possibilities before, plan in August
Purchase all components	Purchasing office	2.500 Euro	Mr. Hotheat	April 30	Heat exchange systems and other goods	Details: see drawings
Installation and tests	Maintenance	2 man days	Mr. Hotheat	August 31	Installed heat recovery system	

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29/11/2014