

Product description and usage	Textile factory, which produces synthetic carpet yarn and woven nylon nets fro the fishing industry
Region	EU
Energy consumption	420 000 Euro annually
Project goals	The company manufactures, heat-treats, dyes and then dries nylon netting. This is an energy intensive process and energy costs are a significant overhead. The investment aimed to optimize the heat treatment and dyeing processes in order to reduce energy consumption, by adding two new forms of heat recovery.
Investments	<ol style="list-style-type: none"> 1. Heat recovery from a new heat setting and dyeing process. A new closed cycle dyeing process was installed allowing heat recovery and reducing water usage. 2. A new net drying process using heat recovered from the air compressors (replacing old steam heating).
Investment size	<ol style="list-style-type: none"> 1. 62 000 Euro 2. 8 000 Euro
Efficiency results	<ol style="list-style-type: none"> 1. 2 500 m³ of water saved, 1.6 GWh of gas saved; 2.1 GWh of gas saved; 2. Decommissioning of old steam plant;
Investment profitability	<ol style="list-style-type: none"> 1. 9 300 Euro (energy and water saving per year); payback period = 1.5 years; 2. 25 000 Euro savings achieved per year; 3. 10 400 Euro savings achieved per year.