

**BIOLOGICAL WASTEWATER TREATMENT PROCESS AND SEWAGE PUMPS:  
BASIC NOTIONS AND CORRECT USE**

<b>Training aims:</b>	Investigate the basic notions of the sewage pumps and the biological wastewater treatment process, and find out the main recommendations for a correct installation, use and maintenance. The course will also analyse the main troubleshooting and find out the possible causes. Theoretical/practical course.
<b>Contents:</b>	<ul style="list-style-type: none"><li>• Business presentation</li><li>• Hydraulic and electrical engineering outlines</li><li>• Definition of centrifugal pump and illustration of the different typologies: how to chose them</li><li>• Characteristic values</li><li>• Fields of use</li><li>• Purification : general biological aspects</li><li>• Introduction to purification processes</li><li>• Activated sludge purification plants and attached biomass plants</li><li>• Other types of wastewater treatment processes</li><li>• Mixing: general concepts</li><li>• The choice of the right mixer: selection and positioning</li><li>• Caprari products and their use</li><li>• Aeration: general concepts</li><li>• Surface aeration systems : types and characteristics</li><li>• Subsurface aeration systems: types and characteristics</li><li>• Caprari's aeration systems and their application</li><li>• Analysis of main troubleshooting.</li><li>• Disassembling – mechanical overhaul – assembling</li><li>• Visit to a biological waste water treatment plant</li></ul>
<b>Participants:</b>	Design engineer, supervisors and technicians of system operation, service centers
<b>Training duration:</b>	3 days
<b>Dates:</b>	<b>26÷28/04/2010</b>
<b>Location:</b>	Training Centre Caprari Modena Via G. Cavani 141
<b>Speaker:</b>	Dott. Marcello Strozzi
<b>Cost:</b>	<b>500,00 Euros</b>
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