

RECP Best Practices Catalogue

Dust recovery from production chimneys

Developed within the framework of MED TEST II



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



The SwitchMed Programme is
funded by the European Union

Best Practice - Dust recovery from production chimneys

SECTOR:	Food & Beverage
BRANCH:	Bakery and farinaceous products
CATEGORY	Process control or modification
APPLICABILITY	Utilities
COMPANY SIZE	400 full-time employees



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TEST Training kit

Best Practice - Dust recovery from production chimneys

Description of the Problem (Base Scenario):

The dust generated by the production chimneys is deposited on the roof of the plant. To eliminate it, a technician performs cleaning activities, frequently, with water. This water is routed into the sewerage system

Description of the Solution

This measure consists in recovering the dust released through the exhaust fans installed on the roof.
The recovery is done in bags that are subsequently managed as solid waste.



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Economic Gains

Total economic gain: € 10,000/year

Environmental Gains

Water gain: 9,000 m³/year (12.3%)

Energy gain: -

Material gain: -

Pollution reduction: 60 tons of dust/year

Safety and Quality Impact

Improved safety at work by eliminating the risk of inhalation



Best Practice - Dust recovery from production chimneys

Capital Investments & Financial Indicators	Investment € 17,000 Time for Return on Investment: 22 months
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Supplier Information	Imported
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Other Aspects	-
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Implementation	Under implementation
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