



ENER/FP7/296003/EFENIS
08/06/2015



Project no.: 296003

Project full title: Efficient Energy Integrated Solutions for Manufacturing Industries

Project Acronym: EFENIS

Deliverable no.: 8.1

Title of the deliverable: Analysis of the as-is state of the site (Public summary)

Contractual Date of Delivery: Month 12

Actual Date of Delivery to the CEC: Month 12

Lead beneficiary: P5 - IPLOM

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Work package: WP8

Nature: Report

Version: 1.0

Total number of pages: 9

Start date of project: 1st August 2012

Duration: 36 months



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Data have been collected for

1. Utility system configuration
 - a. Steam mains
 - b. Deaerator
 - c. Condenser return
 - d. Demineralised water cost
2. Process steam use and generation
 - a. Steam used by processes
 - b. Steam generated by processes to steam mains (HP, MP, LP)
3. Steam boiler data
 - a. Boiler fuel
 - b. Boiler capacity and firing
4. Gas turbines
 - a. Gas turbine fuel
 - b. Gas turbine efficiency
5. Gas turbine heat recovery steam generator (HRSG)
 - a. HRSG fuel data for supplementary firing
 - b. HRSG capacity and firing
 - c. HRSG efficiency
6. Electricity (tariffs)