

**Goal of the project:**

Determination of pollutant emissions from exhaust stacks and air quality in the vicinity for particles concentration.

**Short description of the project:**

The product of the research activity for the client consists of several on line measuring campaigns and conceiving in accordance of this representative data basis of an analysis report. The quality of this report is given by the quality of the information it contains. For this reason, the precision of the experimental data is an important requirement. The accuracy of the report is based on this precision. The instruments used for measurements are: STROHLEIN STE4 analyzer and LSV3 analyzer.



*STROHLEIN STE4 analyzer*

**Project implemented by:**

LaCIEDiN - Laboratory for Fuel Analyses, Ecological Investigations and Pollutant Dispersion

**Implementation period:**

February 2012- December 2012

**Main activities:**

Project steps: measurements in situ / phase, results processing, data interpretation and preparation of analysis bulletin/report.

**Results:**

- Particles concentrations (from imission);
- Particles concentrations (from emission)..

**Fields of interest:**

The LaCIEDiN-Laboratory acts according standard SR EN ISO/CEI 17025:2005 and it is RENAR accredited with certificate no. LI 787 from 22.06.2009.

**Financed through/by:**

S.C. CONFORT SA

**Research team:**

Prof. Dr. Eng. Ioana Ionel, Assist. Prof. Dr. Eng. Francisc Popescu, Dr. Eng. Nicolae Lontis, Assist. Prof. Dr. Eng. Luisa Dungan, Assist. Dr. Eng. Gavrilă Trif – Tordai

**Research centre:**

Research Centre for Thermal Machines and Equipments, Transportation and Environmental Pollution Control

**Applicability and transferability of the results:**

On customer request all results are confidential.

**Contact information:**

E-mail: [ioana.ionel@mec.upt.ro](mailto:ioana.ionel@mec.upt.ro)

Web: <http://mettcp.mec.upt.ro/>