WOOD STOVES
TEST SYSTEM

The system allows to realize comparative tests on wood stoves working in different environmental conditions; It is built by a SCADA client station and a TCP/IP server linked to a network of data acquisition modules. In the test room a Pt100 temperature sensor matrix measures accurately the spatial thermal diffusion.In the SCADA system, temperatures are shown as thermographic maps in order to give a first view of the thermal situation. In order to relate temperature distributions with environmental parameters, data acquisition system has been integrated with internal and external humidity measures, atmospheric pressure measure and smoke temperatures measure.The system records gathered data, allowing successive analysis. It is also possible to analyse every measure group trend in time related charts