Fig. 12: Energy Monitoring (left side); reference building for modular renewable energy management system (right side)

8 Research project: “Residence and Mobility”

The described tool is developed within the research project “Residence and Mobility”. The aim is to cover all energy demands of a family and their individual lifestyle with the renewable energy provided around the building they live in. The research project is encouraged with subsidies from the European Union and the Sächsische Aufbaubank (SAB).

Fig. 12 shows the reference building implementing the new technologies including in-house micro-wind-turbines, photovoltaics, CO_2-heat-pump and 12m³ heat storage tanks. A user friendly monitoring system shows the workings of the energy system

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