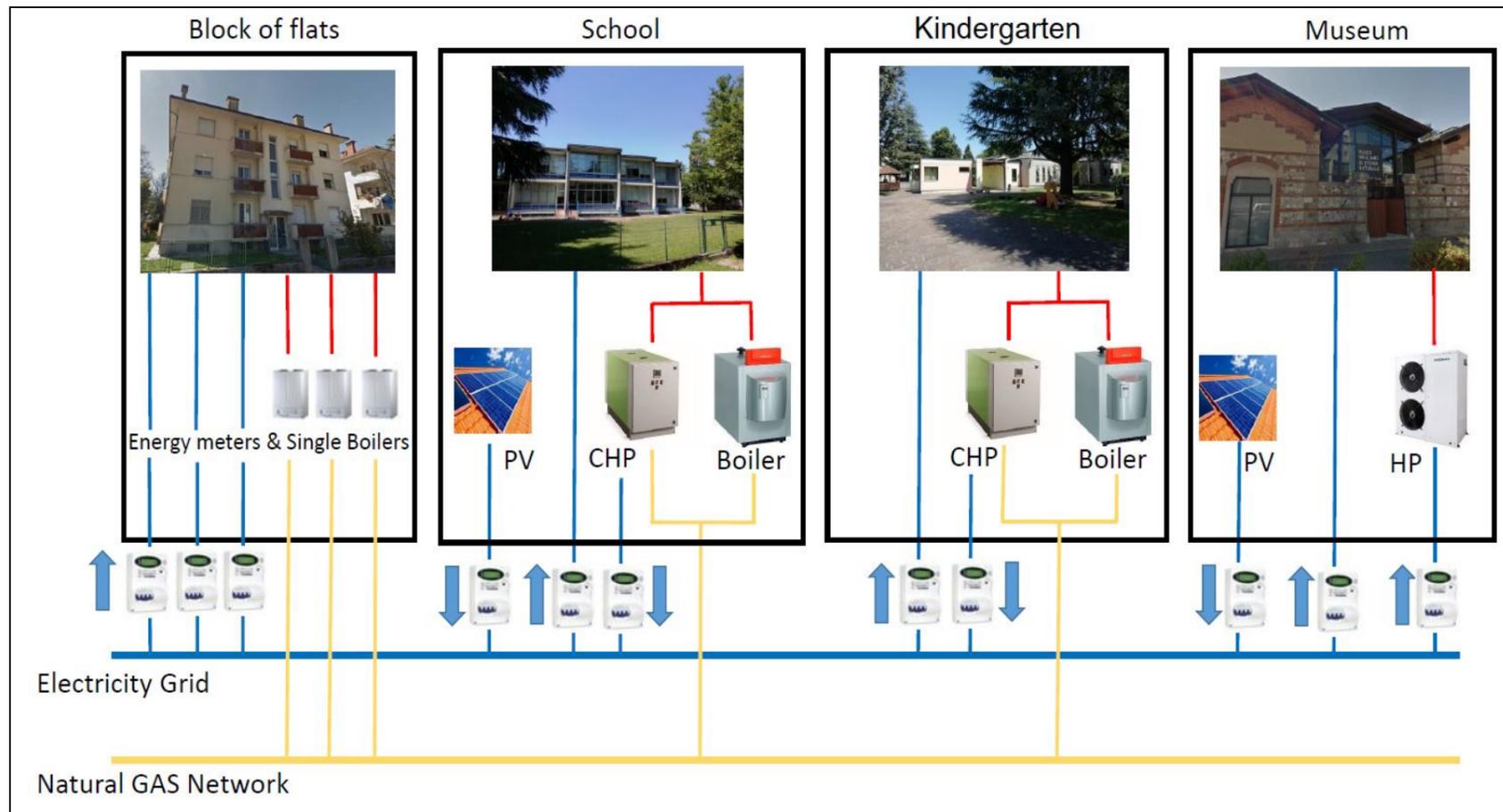


| INTERREG ALPINE SPACE | ALPGRIDS Increasing renewables uptake through MICROGRIDS in the Alps | 2019 In progress |
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| <p>The ALPGRIDS project co-financed by the European Regional Development Fund through the Interreg Alpine Space programme, is aimed to increase renewables uptake through microgrids in the Alps. Twelve partners coming from five Alpine regions (Austria, France, Germany, Italy and Slovenia) are engaged in creating a transnational enabling environment to foster microgrid solutions supporting in particular the creation of local energy communities.</p> <p>Seven demonstrative pilots will be developed with the support of transnational exchanges of knowledge and experience involving local energy stakeholders and policy-makers.</p> <p>DeMEPA, as partner of the project, contributes in particular in the development of the pilot located in the Municipality of Udine, consisting in an urban microgrid connected to the public grid. Due to the efficiency, both in terms of continuity and quality of service, of the local electric networks the pilot does not provide for island operation.</p> <p>According to the recent national law allowing collective self-consumption of the electricity locally generated the pilot is organized as renewable energy community involving four different types of buildings, all owned by the Municipality. In addition to a primary school and a kindergarten, the pilot includes a museum and four apartment buildings for a total of 36 households.</p> <p>Two PV plants, for a total of 36 kWp, are installed on the primary school and on the museum that also makes use of heat pumps for summer and winter air conditioning. Two CHPs are planned to be installed for partial replacing of the existing boiler in the two school buildings.</p> <p>DeMEPA took charge of the design of the pilot and of the measuring system of the pilot thermal and electric demand in order to optimize the CHPs sizing. From a preliminary assessment it is expected a reduction of 50 MWh/year of primary energy consumption and about 26 % of the total electric bill.</p> <p>Along the three-year development of ALPGRIDS project DeMEPA will perform the following tasks:</p> <ul style="list-style-type: none"> ● processing of the acquired data during an annual measuring campaign in order to take into account the seasonal effects, ● microgrid optimal configuration assessment, including cost-benefit evaluation, ● participation to local, national and transnational events organized in the frame of ALPGRIDS project in order to sensitize policy-makers on the microgrid and the renewable energy communities with the aim of replication programmes inside and outside the consortium areas. | | |



(Link che rimanda al poster di Alprids, lo stesso link a cui rimanda anche il tasto project in home page)*,