

PhD INDIVIDUAL PROJECT

Project Title: **Analysis and economic forecasts for a local energy supplier**

Supervisor: Giacomo Bortolan, Engineer

Research center: Gas Division - Servizi a Rete S.r.l.

The new technologies for energy production, distribution and storage are approaching a level of maturity that suggests a wide development of local energy systems. The PhD project aims to a technical and economic review of new technologies and new investments in the energy sector for a local reality such as AIM Vicenza S.p.A.

The company indeed is as an organization aimed to carry out a role of reference in the production and distribution of energy based on the community needs. The PhD project will be part of a larger corporate aim in the reduction of costs, efficiency increasing and environmental sustainability.

The PhD student must have a solid technical background related on the management of energy resources, acquired both during university studies and during work experience. The aim will be to apply a synergy between technical and economic studies to evaluate at best the effects produced by new investments, market changes and European or national legislations.

The project will be active at the Gas Division of Servizi a Rete S.r.l., a company controlled by the AIM group and the main energy distributor in the Vicenza district. The PhD student will be able to complete tariff forecasting and economic simulations using tools and skills available in the company.

The candidate will have also the opportunity to apply empirically theories, economic studies and econometric models on real situations concerning a local energy supplier that is active on market trends, risk analysis, environmental finance, tariff forecasts, business plans.