



Prague - Project - Portfolio - Planning - Platform for Renewable Energy Sources *Self-Powered Community Business Knowledge Transfer*

Vision: To open access to electric power as the 21st century's basic human right by implementation and dissemination socio-economic projects utilizing the Self-Powered Communities (SPC) approach.

Mission: To add a value to rural and peri-urban communities by their participation in decentralized electrification providing electric power 24/7 and using renewable energy sources (RES).

Methodology: 5P for RES is an integrator of strategy, know-how and actions focused on the Self-Powered Communities (SPC):

1. Strategy (for capital investments into local power infrastructure, operation, and services):

- Decentralized electrification (economic and social benefits, access to electricity)
- Final beneficiaries (families and entrepreneurs - middle class, community well-being)
- SPC Utilities, factories (jobs creation, product diversity, local market sustainability)

2. Know-how (for project portfolio planning and implementation of RES technologies):

- Synergies offered by project portfolio (multi-disciplinary and multi-functional benefits/risks)
- RES and new technologies in a real life (costs and competitiveness, better environment)
- Business and technical assistance to SPC (motivation, TORs for project portfolio)

3. Actions (for SPC projects and project portfolio implementation and dissemination)

- Private and public partnership for housing (families) & for business (entrepreneurs)
- Revolving loan funds (public benefits and costs) & cooperatives (citizen's charter)
- Education (for competitiveness) & skills (in public procurement cycles) dissemination

Implementations and dissemination of results: 5PforRES is an initiator of a "bottom up" or "top down"-structured SPC pilot project and pilot project portfolio:

a) "Bottom up" approach represents a single pilot project. Specific offer:

We are very seriously considering investing private sources into building, operating and transferring over a pilot \$2m 1MWe-solar power plant. 60%-75% of the investment value will/must be paid after final inspection takes place and at the latest after 1 month of operation of the solar power plant by crediting our account.

In parallel, we are looking for a small grant (\$0.1 - 0.2m) for local universities to perform evaluation of absorption capacity of the SPC Concept together with the 5PforRES team.

b) "Top down" approach represents a pilot project portfolio. Specific initiatives:

We are acting in advocacy of a SPC pilot project for a region (about one million inhabitants) of sub-tropical and tropical countries of the South-East Asia, the Pacific, and Sub-Saharan Africa. \$30 m project portfolio is focused on mixed use of RES modular units tapping into the existing grid, or initiating a demand for construction of new micro-grid technologies including energy storage solutions. The Blueprint is presented and discussed with local authorities and financial institutions (for the Sorsogon province in the Philippines).

Preparation stages and project portfolio evaluation costs should be included in the total budget of the pilot project portfolio.

More details will be sent upon request.

June 10, 2013