Examples of products that could be completed and sold by SPC Factory

**Solar energy based on thin film PV technology**
- Solar generator system for simple use in buildings (housing, services, shops)

**Energy storage and thermal turbines**
- Thermal Panel
- Electroforming
- On-Grid
- Peak Power Supply
- Thermal Turbine
- Pyrolysis unit 1
- Pyrolysis unit 2
- Pyrolysis unit 3

**Construction management**
- PV panel as a new architecture element in tropics and sub-tropics construction
- PV panels set on a construction

**Water management and hydro energy**
- Water management examples from Philippines
  - Small hydro power plant
  - Water for: municipality, agriculture, industry
  - Water waste treatment: sewage treatment, other waste treatment
  - Lake, inter-communication with surroundings, mechanical usage of gases and liquids
  - New land profit

**Waste management and pyrolysis**
- Waste collecting yard
  - Plastic
  - Used Tires
  - Biomass

**Revitalization of used batteries**
- Old Battery
- Remanufactured Battery
- Workshop
- Final battery waste disposal
Business plan environment proposed for SPC Factory

### Business Plan

#### Business Model (BMM)
- Business process
- Business Organization
- Business Motivation

#### Mini Business Plan
- The Strategic Plan
- The Operational Plan
- The Organizational Plan
- The Resources Plan
- The Contingency Plan

### If the project idea is feasible

#### Full Business Plan
- Executive Summary
- Company Description
- Product and Services
- Market Analysis
- Strategy and Implementation
- Management Team
- Financial Analysis

### Business communication and „Technique of Life” transfer barriers

#### Develop countries
- Business process: Advanced technologies and financial engineering
- Business organization: Enterprise Architect services

#### Developing countries
- Business process: Product supply and financial services
- Business organization: Wholesale and retail country specific

#### Barriers, Misunderstandings, Faults

#### Means
- Mission
- Course of Action
  - Strategy
  - Tactic
- Directive
  - Business Policy
  - Business Rules

#### End
- Vision
- Desired Results
  - Goal
  - Objective
- Influencer
  - External Influencer
  - Internal Influencer

#### © OMG

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www.5pforRES.eu, office@5pforres.eu
Why we proposed SPC approach to the 4/5 of the current World population

Management = Rules + Needs solving (Internal and External)

Synergy = know how previous generation and our will to adapt 3E in daily work

Know How – “Three sisters” example
Production of maize
Production of beans
Production of squashes

Current electrification
RE power
Energy storage
Grid management

SPC Proposal
SPC Development Agency
SPC Program
SPC Industry

it was as is for rich to be

SPC Development Agency proposal
Consulting services & Factory owners

SPC Development Agency
SPC Program
Project’s portfolio

Middle class growth

SPC Industry
Facilities pool

Local RE industry growth

Renewable energy sources
Water management
Urban management
Legal environment
SPC Factory components

### SPC Factory functions / SPC Factory products

**SPC Factory functions**
- Components imports
- R&D
- Engineering
- Production line
- Final products assembly lines

**WHOLESALES SYSTEM STRUCTURE**
- Retailed control system

**SPC Factory products examples**
- Solar generator system for simple use in building (housing, services, shops)
- Solar PV panel as an architecture element in tropics and sub-tropics construction industry
- Off-grid electricity power generation units for 24/7 operation (rural and peri-urban areas)
- Small power plants (based on RES) selling electricity to the central grid (urban areas)
- Post harvesting industrial units for food drying and production of drinking water (countryside), biomass (crop ends) for electricity production

### SPC Factory – Proposed processes, Technologies and participant’s responsibility sheet

<table>
<thead>
<tr>
<th>Processes</th>
<th>Technology</th>
<th>Engineering</th>
<th>Production line</th>
<th>Components imports</th>
<th>Final products assembly lines</th>
<th>Wholesales system structure</th>
<th>Retailed control system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science, Research and development</td>
<td>Pyrolysis Unit</td>
<td>Solar generator system</td>
<td>Solar PV panel as an architecture element</td>
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<td></td>
<td>Thermal Turbines</td>
<td>Thermal Turbines</td>
<td>Off-grid electricity power generation units</td>
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<td></td>
<td>Thin Film PV</td>
<td>PV Production line</td>
<td>Small power plants</td>
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<td></td>
<td>Electroforming</td>
<td>Glass production line</td>
<td>Post harvesting industrial units</td>
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<td>Wholesales system structure</td>
<td>Retailed control system</td>
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<tr>
<td>Research Institutes</td>
<td>ABF Architecture and Building Foundation</td>
<td>Plasma s.r.o.</td>
<td>Arrow Line s.r.o.</td>
<td>Local owner</td>
<td>Local seller</td>
<td>Local supervisor</td>
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<tr>
<td>Business Platform for Foreign Development Cooperation</td>
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</tr>
</tbody>
</table>
PV Factory project design for EU SF
Metallurgical electro forming
(new metal construction materials)

1. Electrolyte bath storage
2. Filtration
3. Working bath
4. Nest
5. Pipe - product
6. Direction of pulling tubes
7. Anodes

Following proposed technologies

Biomass Power Plant schematic available only in discussion

Fruit (Foodstuff) Dryer schematic available only in discussion
Other Supporting Technologies

Example of a Glass factory

Cost Structure for production of float glass

- Raw Material: 37%
- Energy: 35%
- Wages: 12%
- Depreciation: 6%
- Others: 10%