

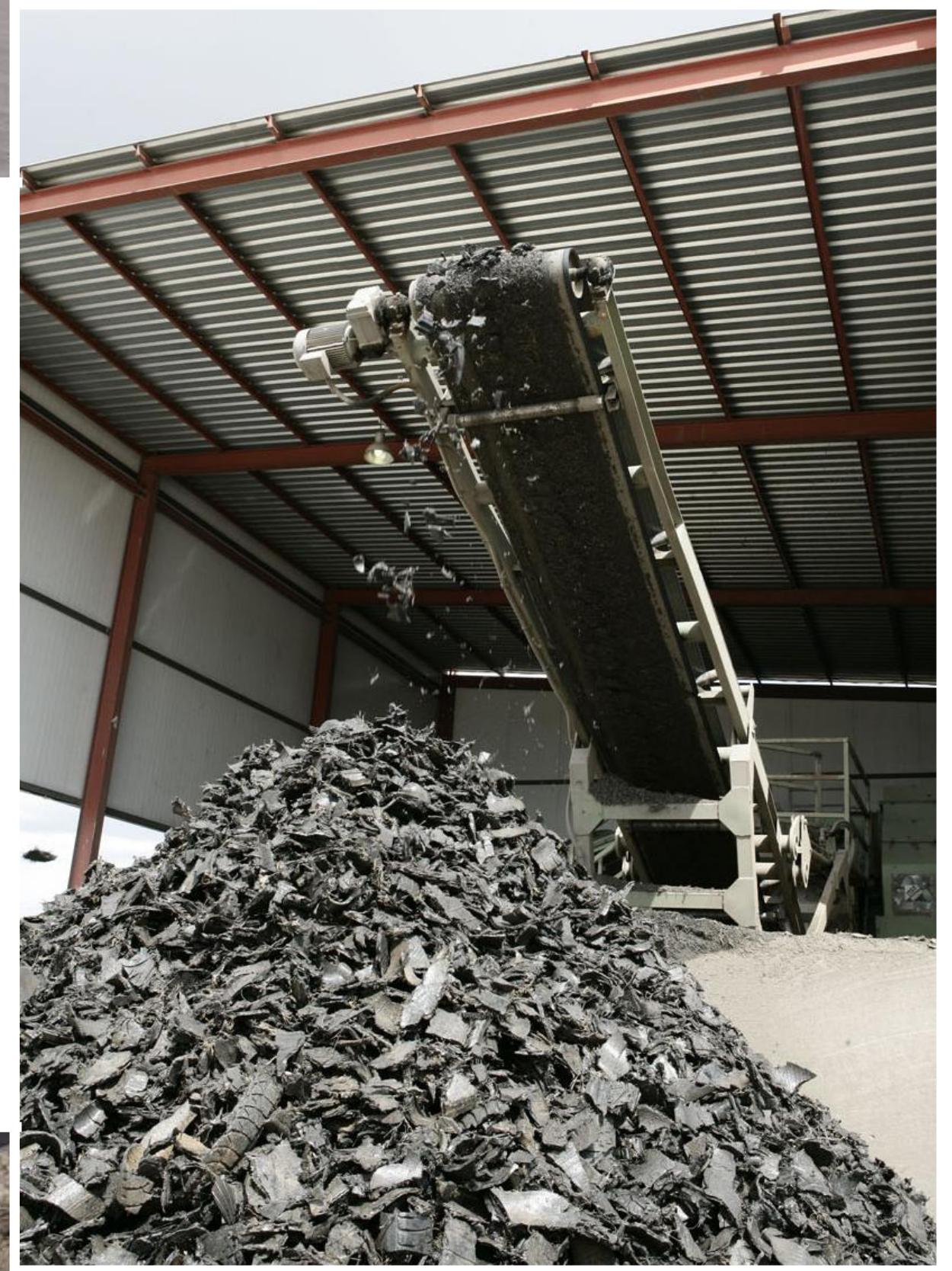
RubWPC - Rubber Fusion of Wood Plastic Composite to Make Functional Composites for Building Applications



RubWPC

Objectives

RubWPC objectives are new production technologies and lines of value added wood plastic composites (RubWPC), and a new generation of RubWPC products with **superior characteristic** over classic WPC for construction. Tyre rubber by being inherently weathering resistant will contribute to the performance of the designed construction. Vibration damping, wearing, slip resistance, thermal and acoustic performance will make RubWPC most attractive for construction and other special applications.

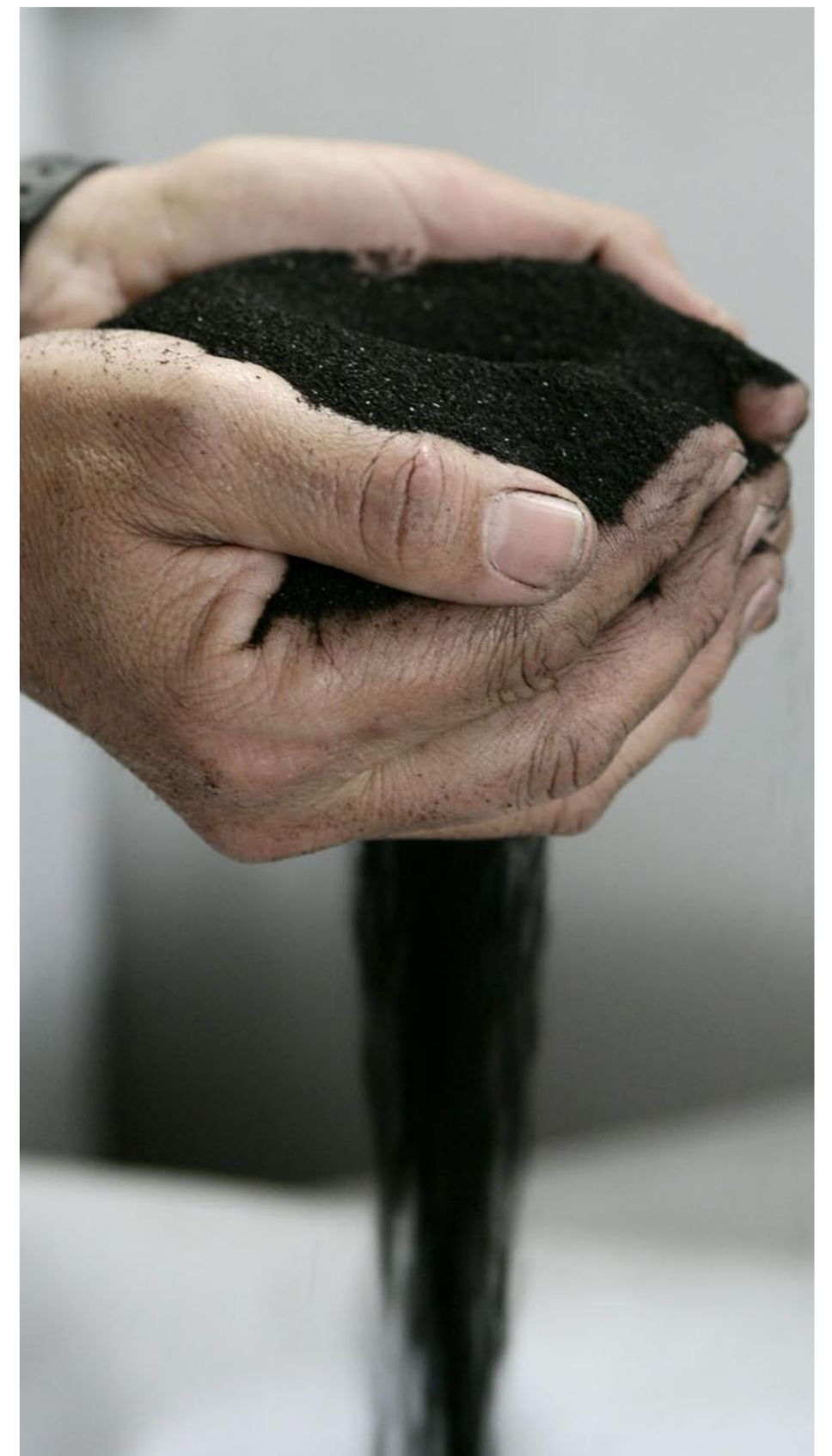
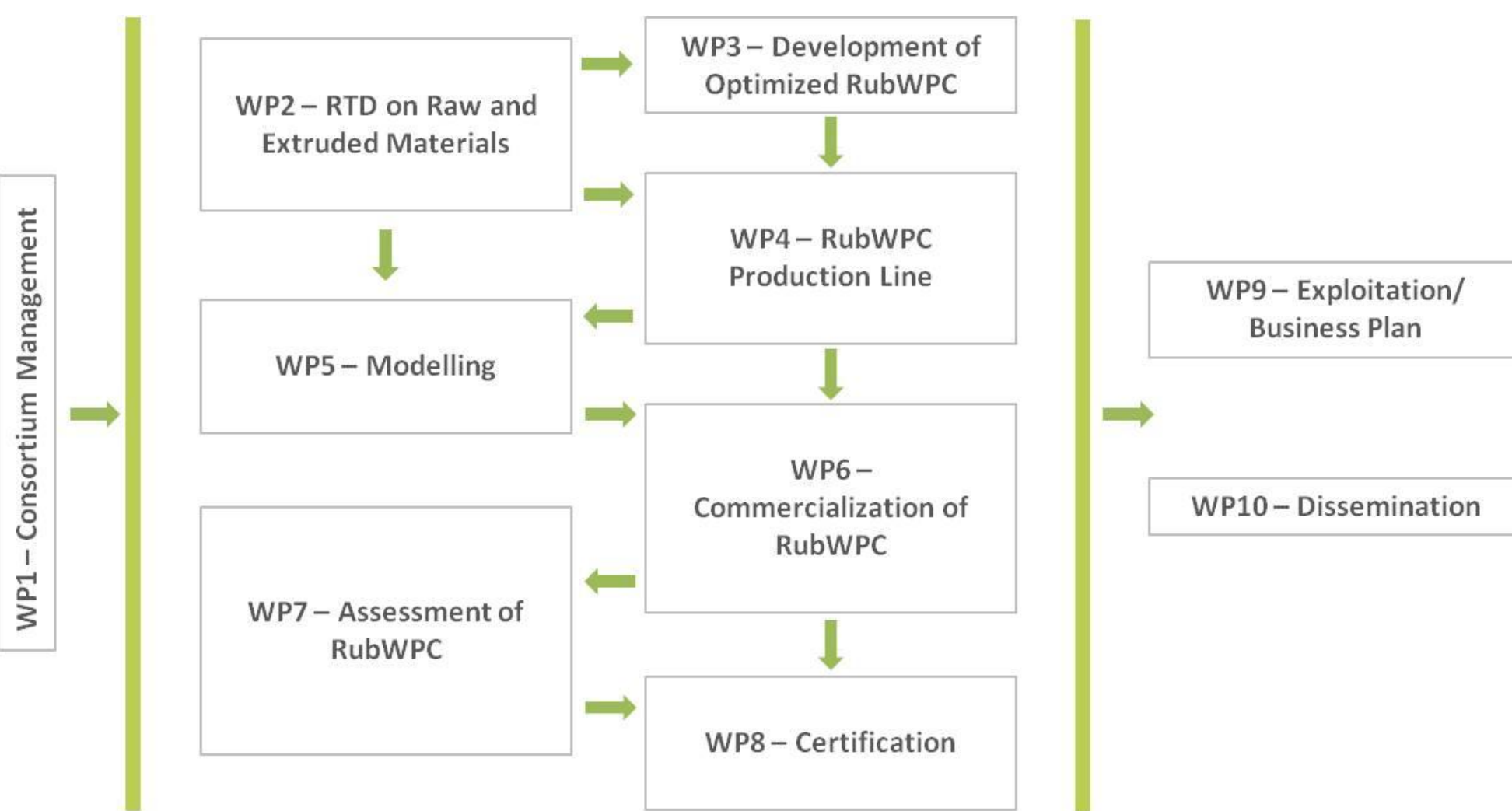


Applications

- flooring, pavement or other surface areas where slip resistance is required, such as nursing home;
- rail or other sense surface, such as guide rail or arch for blind people;
- areas requiring high impact performance;
 - acoustic bodies.

Innovative aspects

1. New route of utilization;
2. RubWPC extrusion process with a variety of end products;
3. Innovative combination of rubber, plastic and wood: rubber for acoustic and impact resistance, wood for light weight and aesthetic effects and plastic for good flow for ease of compounding;
4. Material can be used as decking and hollow sections for indoor, outdoor in building construction and some automotive applications;
5. RubWPC can be used in where a specific characteristic is required (e.g. nursing house for a slip resistant surface, studio for improved acoustic effect).



Expected requirement

- New, consistent “value-added” market for the process tyre rubber;
- Price-competitive;
- Perfectly suited for installation in highly insulated acoustic, impact or/and slip resistance;
- Availability of low cost materials.