**Pasman Project**

**Expected project CAPEX**: 6'375'000 €

**Mandating Authority**: City authorities

**Project Type**: Waste to energy

**Summary**
This project will allow Pasman Island to transform waste on site. The project aims to produce energy through an Organic Rankine Cycle system; integrate photovoltaic & geothermal production; store the renewable energy to provide energy on demand; and use a part of the renewable energy to produce potable water for local use.

**Location and population**
Pasman, Croatia
3'804 inh.

**Social and environmental impact**
The project will allow to lower the CO2 & methane emission due to savage landfiling, waste transportation, potable water providing and energy production. It will demonstrate also a worldwide replicable model for Island energy/water autonomy.
The project participate to protect wildlife on salvage territories impacted by pollution. The project will also create few local jobs and new local activities.

**Main stakeholders**
Municipality of Pasman, EKO-ZADAR environmental NGO, WM International
**Project maturity (IFC / World Bank Categories)**

- **STAGE 1: Concept Development, Site identification**
- **STAGE 2: Pre-Feasibility Studies**
- **STAGE 3: Feasibility Studies**
- **STAGE 4: Permitting / Financing / Contracts**
- **STAGE 5: Engineering/Construction/Commercial Operation**

**STAGE 1: Concept Development, Site identification**

**Expected capacity (Input - Output)**

- 4000 Tons of waste/biomass
- 2,8 GWh/Y
- 500M3/Day potable water

**Land identified**

Yes

**Site access:**

- Checking Adequate road
- Checking Rail access
- Checking Port facilities

**Technology:**

- Pyrogasification, reverse osmosis, ORC cogeneration

**Waste stream data**

Yes

**STAGE 2: Pre-Feasibility Studies**

**Pre-feasibility study:**

Yes

**STAGE 3: Feasibility Studies**

**Feasibility study:**

In progress

**STAGE 4: Permitting / Financing / Contracts**

- **Land concession signed**
  - No
- **Building permits signed**
  - No
- **Environmental impact study**
  - Yes
- **Identified sources of fundings**
  - Yes

**STAGE 5: Engineering / Construction / Commercial Operation**

**Engineering, Procurement and Construction Contractor**

SYNECOM, Airpower & local partners; T. Garibovic Marine biologist

**Operation and Maintenance Contractor**

Tbd

**Comments**