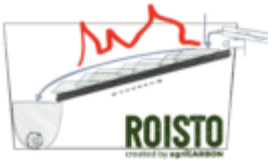
ROISTO



Product

Biomass recovery equipment

Technology readiness

Development

Proof of concept

▶ Prototype

First implementation

Extensive implementation

A major innovation for biomass heating that permanently removes carbon from the atmosphere.

The unique design of the gasification boiler converts wood chips into heat and carbon, which permanently stores the carbon dioxide absorbed by the biomass. It is called biochar and is a unique material for improving soil properties. In recent years, biochar has become part of the substrates in which greenery is planted in cities. ROISTO is an essential element of an urban BIOHELNA, where residues from green maintenance are converted into heat and biochar, which is returned to the soil, helps retain moisture and nutrients at the roots. This keeps the plants in better condition and improves the urban microclimate.

Unique selling points:

- Technically simple and power scalable device.
- Biouhel generates certificates usable as carbon offsets under the SDGs.
- The municipal BIOUHELNA operates as a social enterprise.

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www.kazdekilosepocita.cz/biouhelna