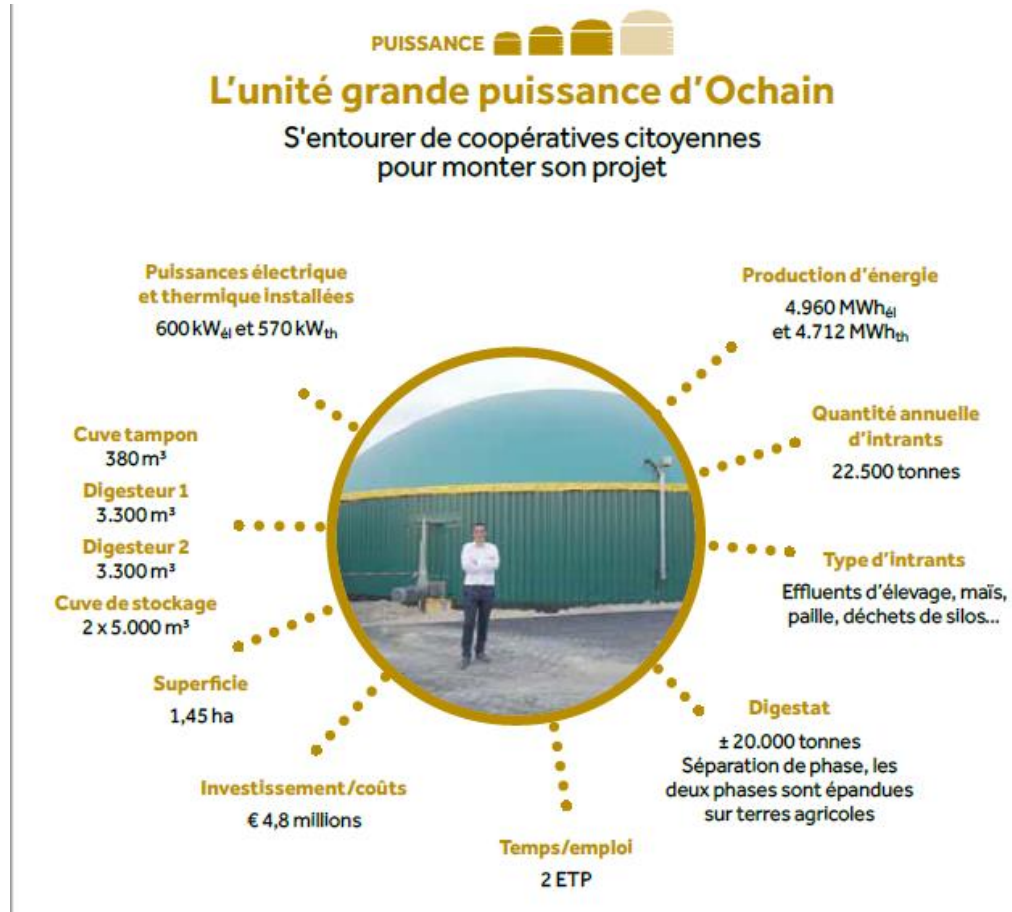


Ochain Energy



Main features (2019) :

- A project developed with the support of community owned cooperatives (a regional one and a local one)
- Inputs : 22 500 tons (manure, corn, straw, silo waste, ...)
- Energy production : 5000 MWh_{el} – 4700 MWh_{th}
 - ✓ Electricity for 1500 households (sold to the grid)
 - ✓ Heat is consumed locally in a nursing home
- Digestate (liquid and solid) : 20 000 tons

Ochain Energy

Advantages of the Ochain EnergieBiogas plant in terms of the recovery of organic materials :

- The biogas plant stores agricultural effluents (which therefore no longer need to be stored on the farms with all the subsequent nuisances).
- Valorizes simple molecules (carbohydrates, lipids, proteins) into biogas... .. These simple molecules are usually lost in CO₂ by aerobic bacteria present in compost, in soils
- Does not degrade "humus" molecules (long fibers ..)
- The digestates tested in Wallonia have shown that the yields are at least equivalent to the yields obtained with undigested agricultural effluents.
- The contribution of green waste : off-season crops (winter soil cover), municipal green waste, .. bring more organic matter and nutrients (NPK) to agriculture and reduce the use of chemical fertilizers.

Ochain Energie processes approx. 100 tons of materials / day. In terms of Nitrogen (5 kg / ton), this equates to 500 kg / day.

=> 1073 ha of crops and meadows can be fertilized correctly and without odors.