

# PYROCHAR

## Sewage Sludge Valorization by Pyrolysis & Syngas Clean-Up for small WWTP



PYROLYSIS BASED  
PROCESS TO CONVERT  
SMALL WWTP SEWAGE  
SLUDGE INTO USEFUL  
BIOCHAR

EU FP7 Project for SMEs  
(2013-2015)

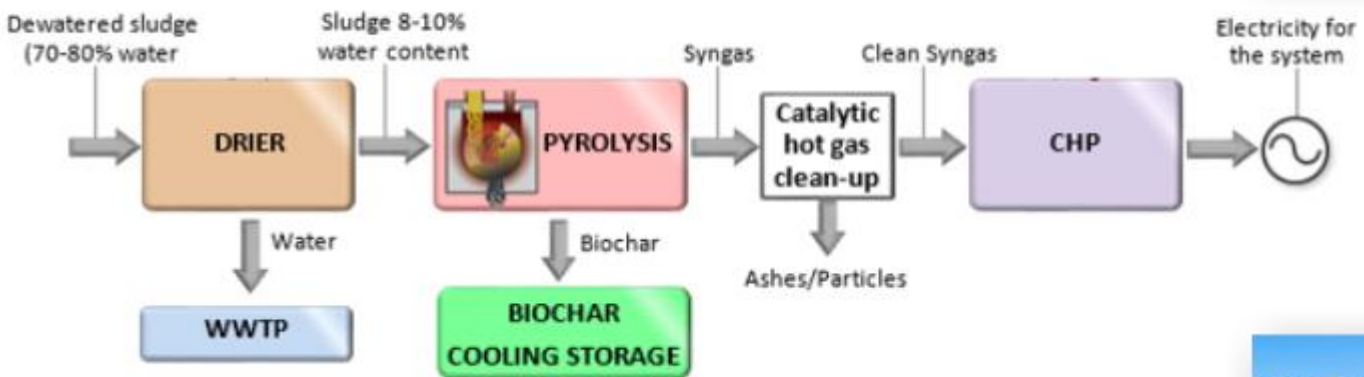


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VISIT OUR WEBSITE  
<http://pyrochar.eu>



Complete solution for the production of *electricity* and *biochar* from *sewage sludge*



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*Sludge water content reduced to < 10% in sludge dryer*

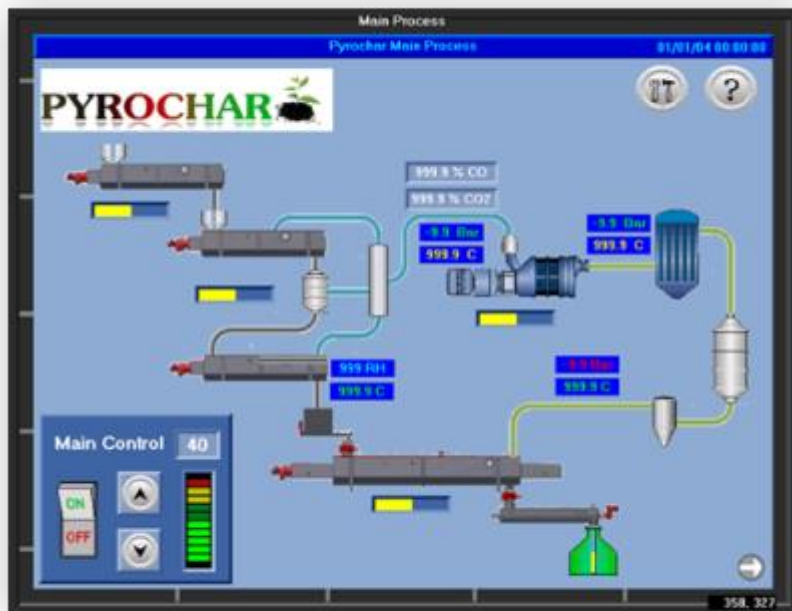
*Patented BIOGREEN® process used to pyrolyze dry sludge, main products: biochar & syngas*

*Syngas cleaned in novel high temperature catalytic filter*

*Cleaned syngas burnt in CHP system, products: electricity, hot exhaust gas to power dryer*

*Small system footprint - fits in 40ft container*

*Overall process optimized - advanced control system*



Enviro-Pharm

TURGOÇ  
AVIATION & DESIGN

HYDRO ITALIA  
Tecnologia Acqua e Energia



Teesside University

messag  
engineering | manufacturing

inspiralia

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