

SUPERFLUID

S O L U T I O N S

PRESENTATION:

- THE USE OF HYDROTHERMAL TREATMENT
- SUPERCRITICAL WATER OXIDATION



América Latina y el Caribe **20,5 millones de km²**



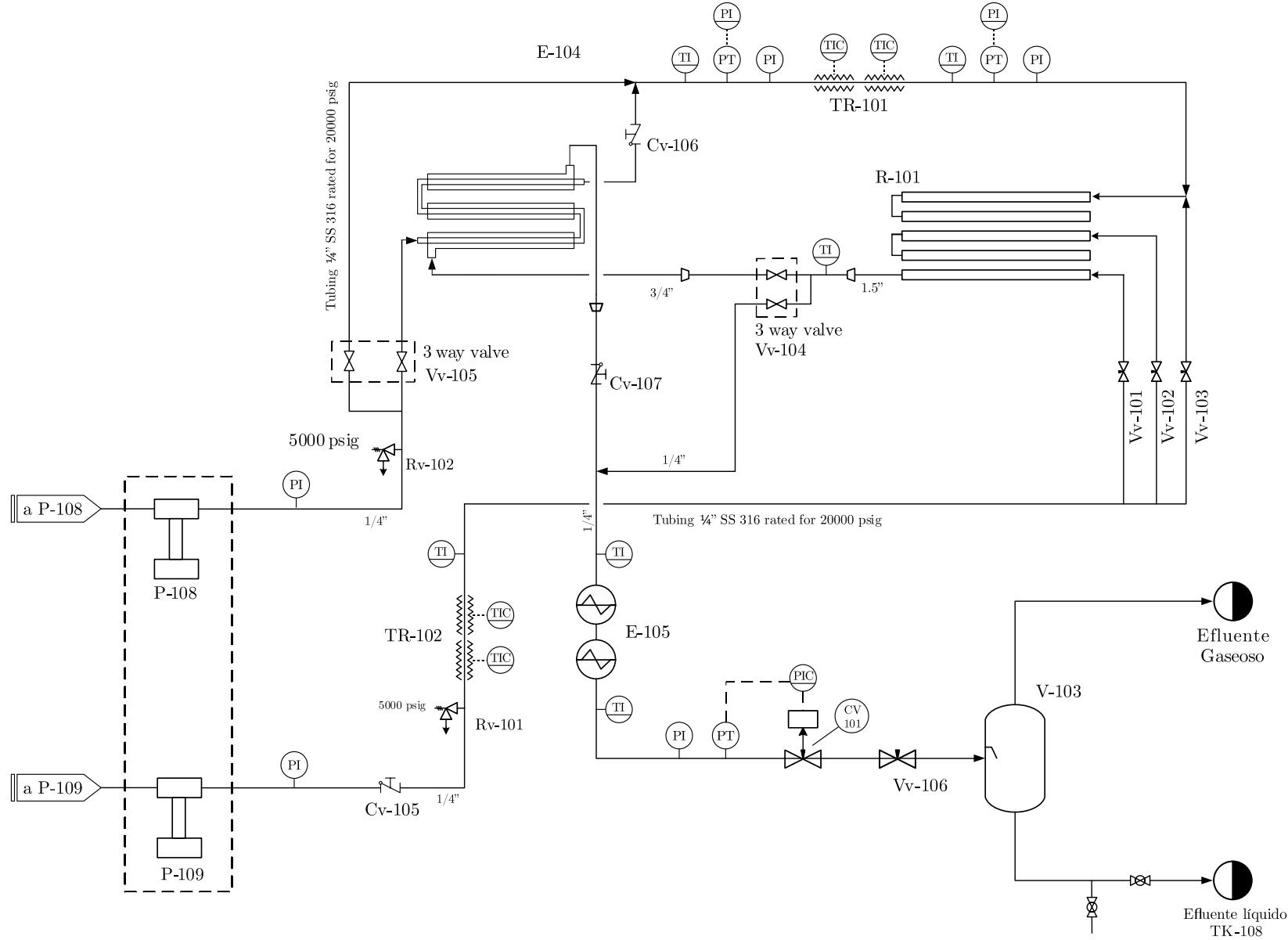
THE MARKET
600 MILLION PEOPLE
41 COUNTRIES





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SOLUTIONS

Supercritical water oxidation



Supercritical water oxidation of PCB

**Dielectric oil
contaminated with PCB**
20000 ppm PCB



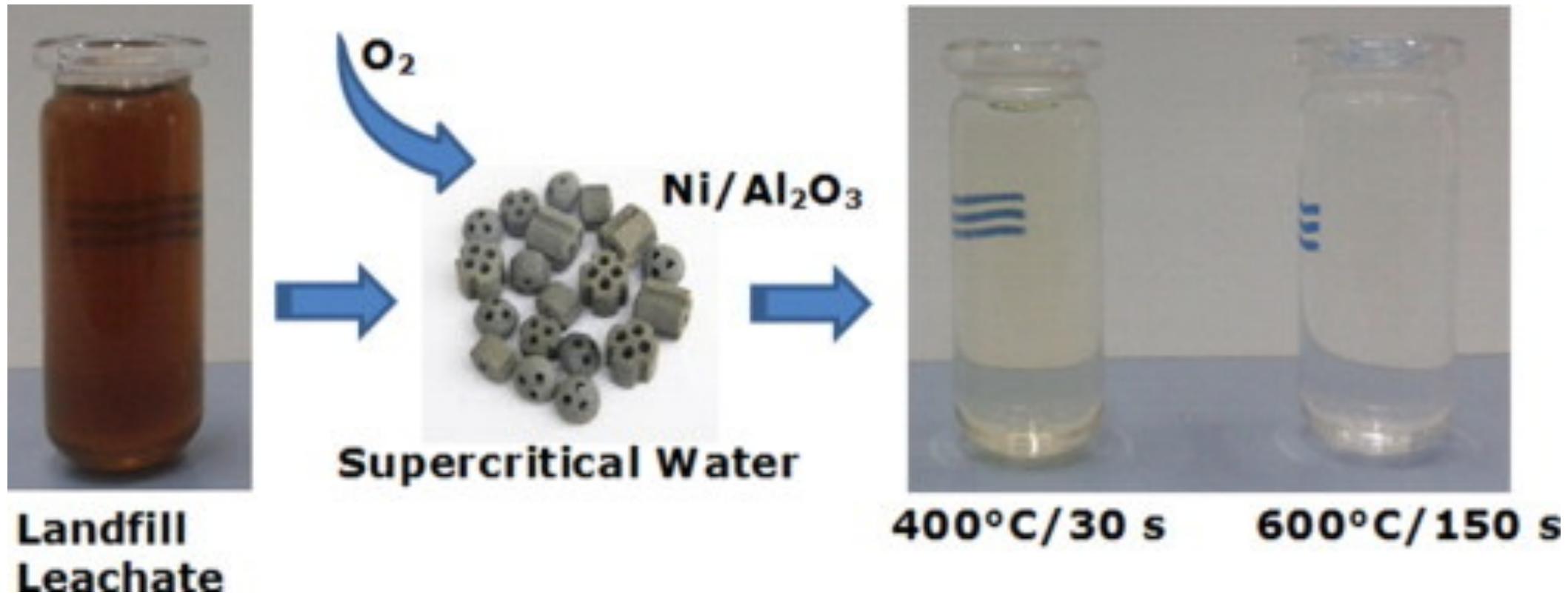
Supercritical Oxidation



500 C
3200 psi



Supercritical water oxidation of landfill leachate



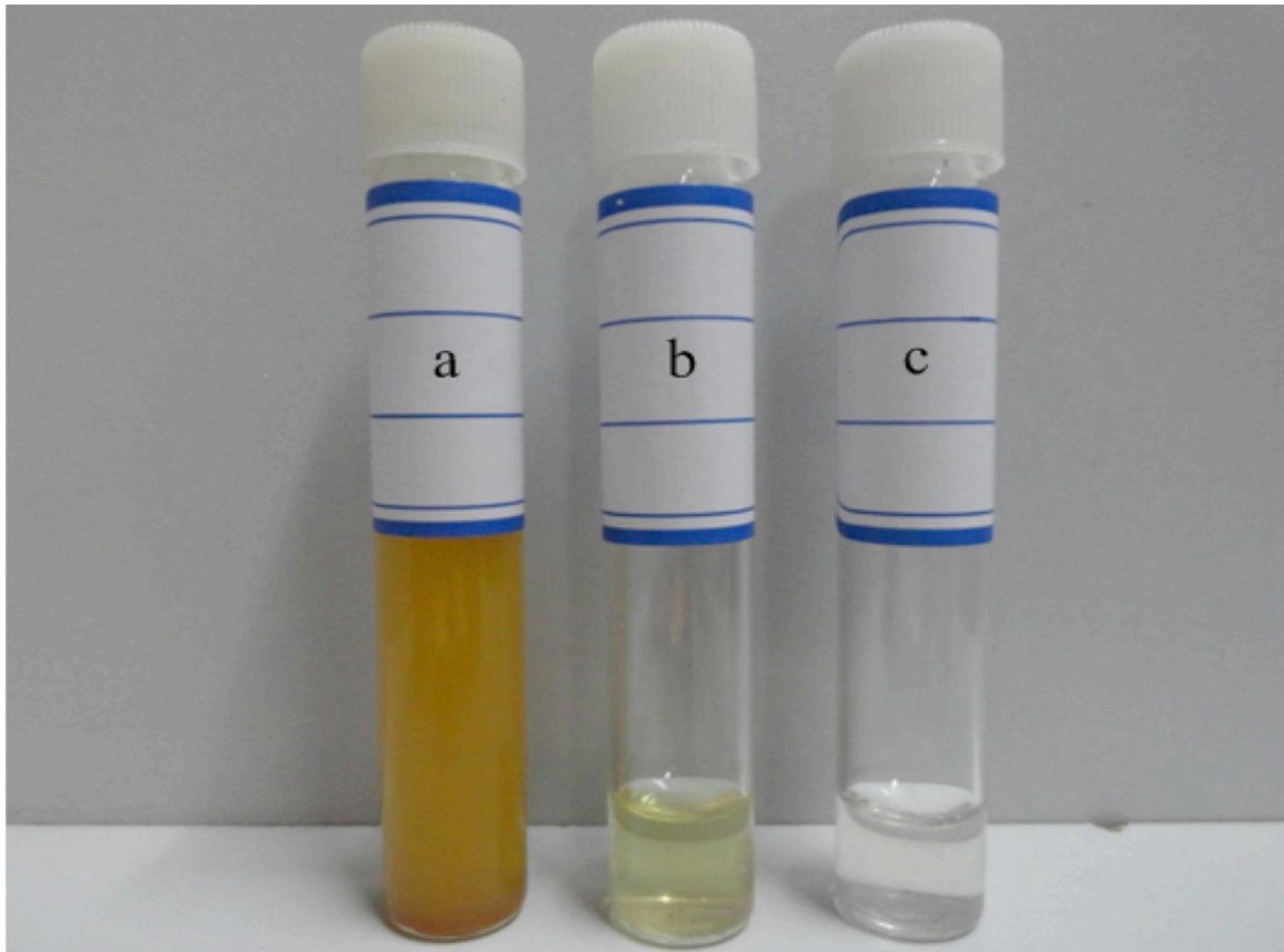
Supercritical water oxidation of spent caustic

Spent caustic
201500 ppm



Treated effluent
70 ppm

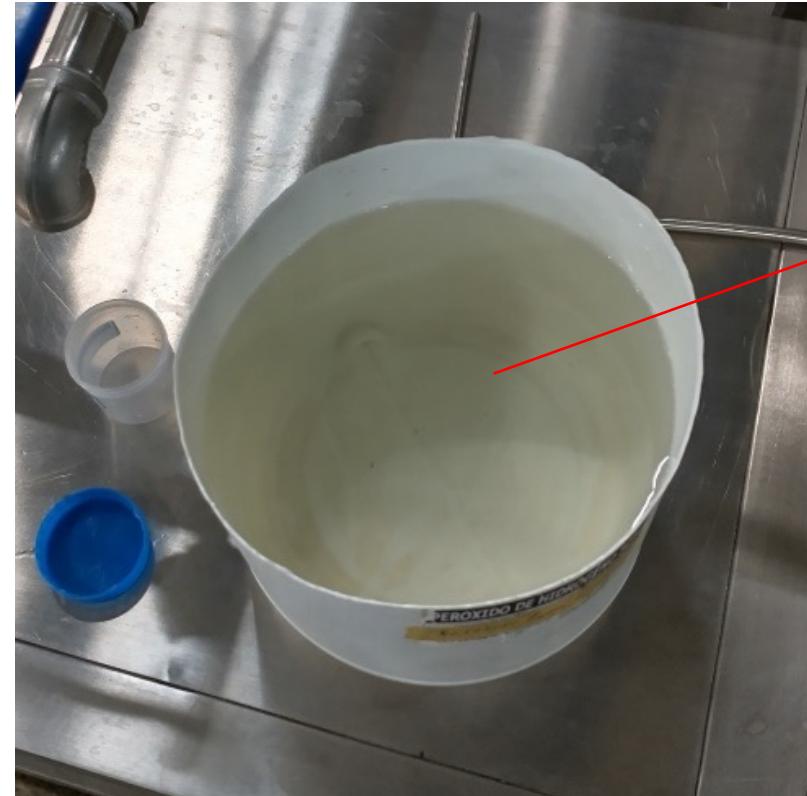
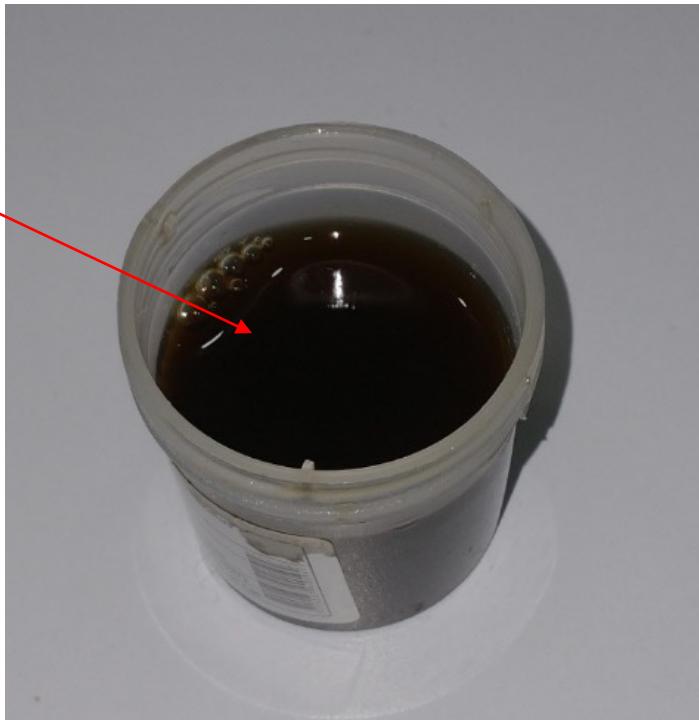
Supercritical water oxidation of pesticides



Chemical Engineering Research and Design; Volume 94, February 2015, Pages 396-406

Supercritical water oxidation of vinasse

Vinasse
40000 ppm



Treated effluent
200 ppm

SCWO of sludge from wastewater treatment plant



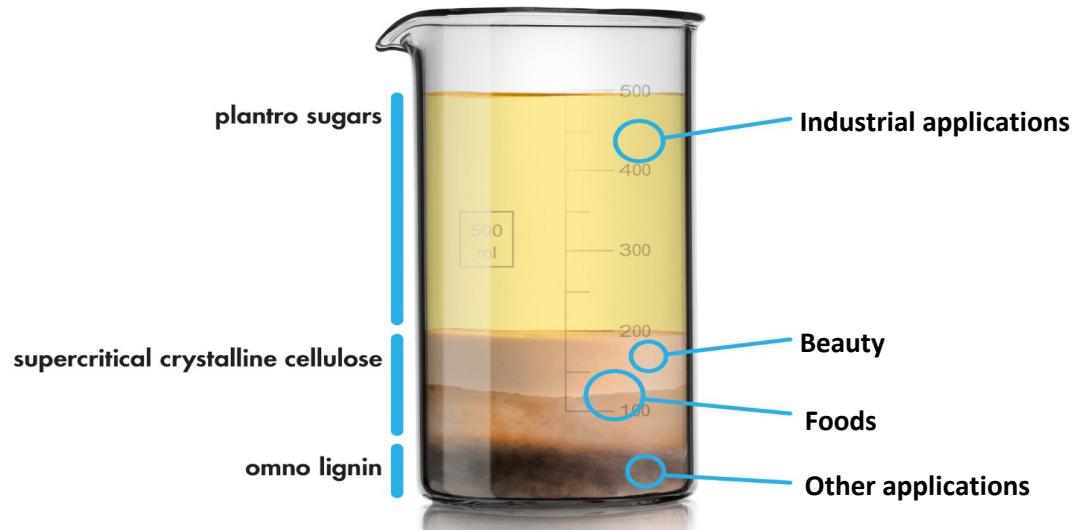
Hydrothermal treatment of biomass



Biomass



High added
value products





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 **Marcos Cajiao**
CEO

 224 433 4528
 mcajiao@superfluidsolutions.com
 www.superfluidsolutions.com
 260 Timber Ridge Ln, Unit A
Lake Barrington, IL 60010

 **SUPERFLUID**
SOLUTIONS

 **ALVARO URIBE**
COO

 (+59) 399 803 6199
 auribe@superfluidsolutions.com
 www.superfluidsolutions.com
 260 Timber Ridge Ln, Unit A
Lake Barrington, IL 60010