



# SUPERFLUID

S O L U T I O N S

## PRESENTATION:

- THE USE OF HYDROTHERMAL TREATMENT
- SUPERCRITICAL WATER OXIDATION





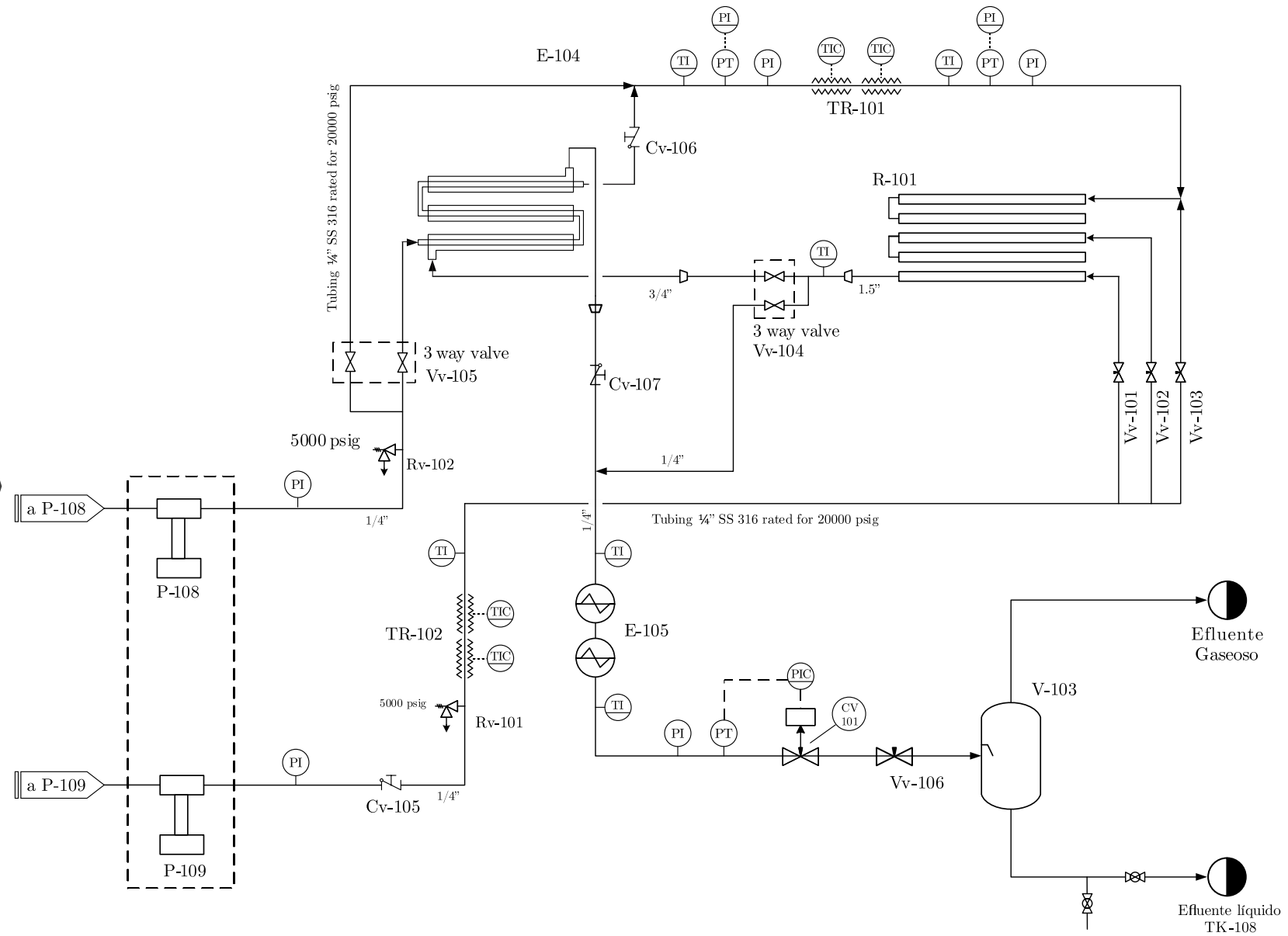
## América Latina y el Caribe **20,5 millones de km<sup>2</sup>**





THE MARKET  
600 MILLION PEOPLE  
41 COUNTRIES





# Supercritical water oxidation of PCB

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



Supercritical Oxidation



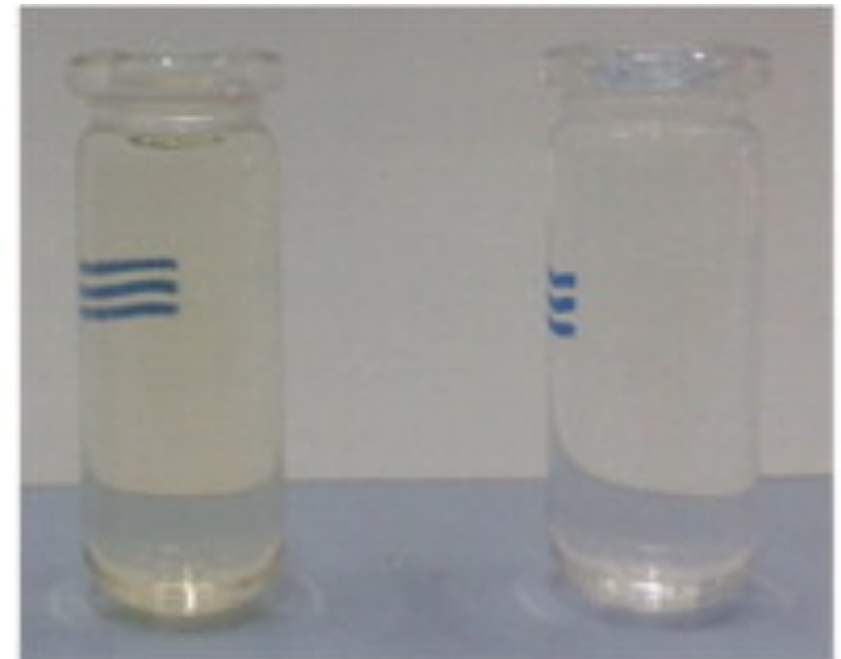
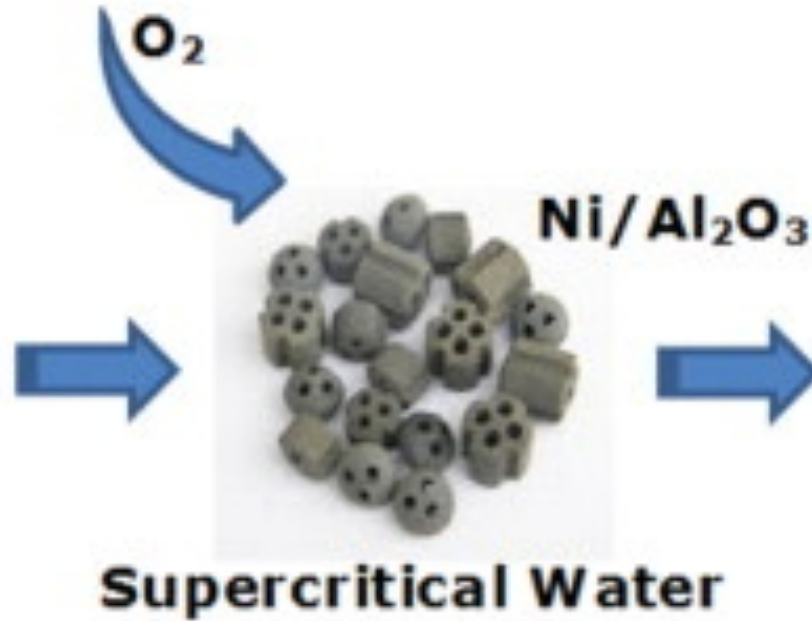
500 C  
3200 psi



# Supercritical water oxidation of landfill leachate



**Landfill  
Leachate**



**400°C/30 s**

**600°C/150 s**

# Supercritical water oxidation of spent caustic

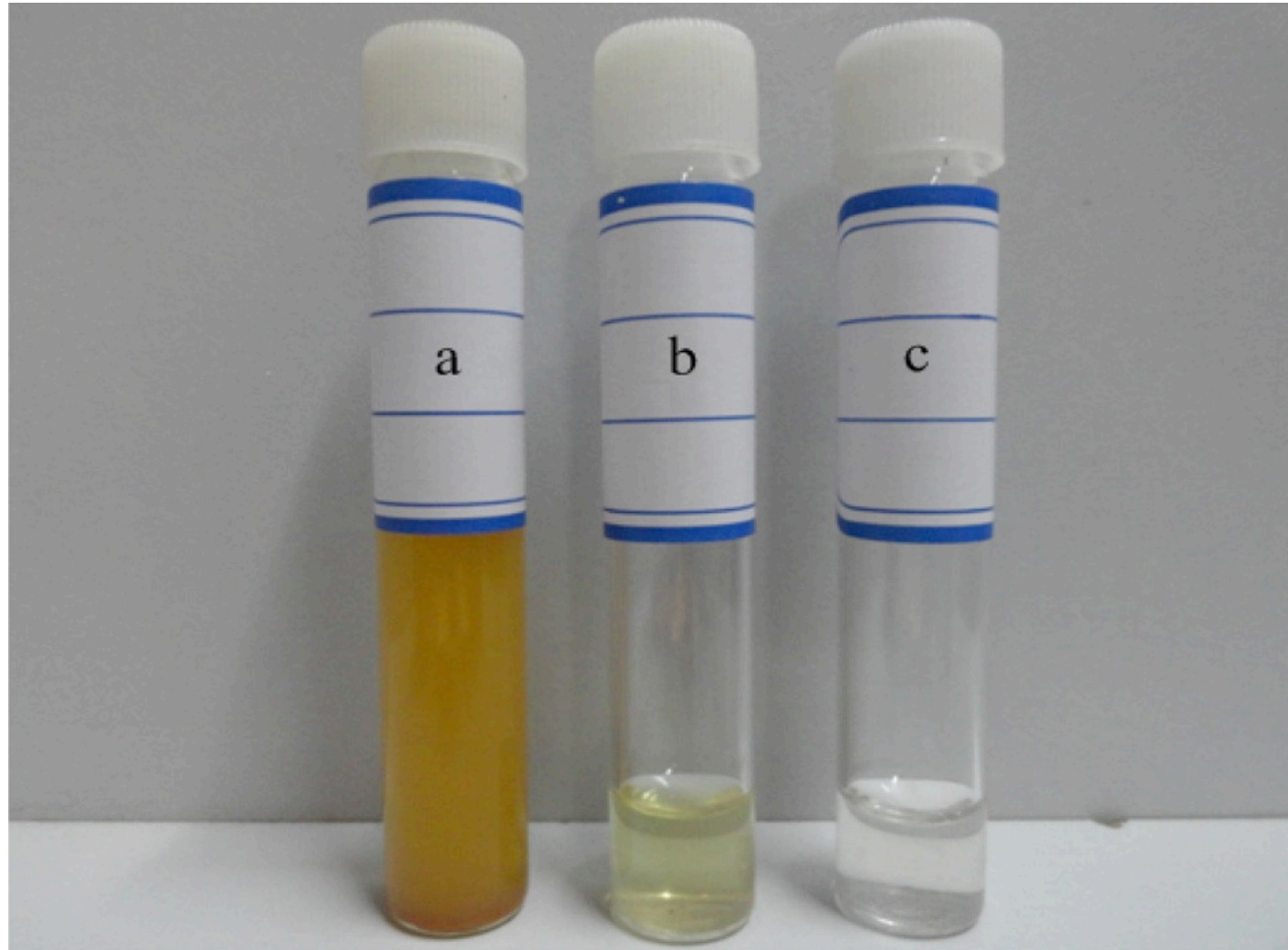
**Spent caustic**  
201500 ppm



**Treated effluent**  
70 ppm



# Supercritical water oxidation of pesticides

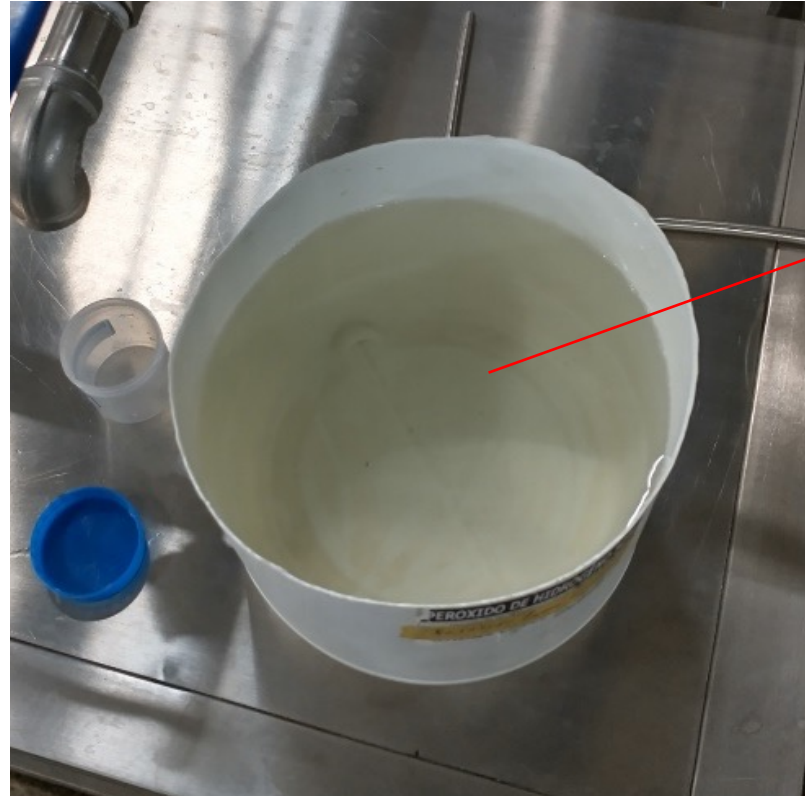


# Supercritical water oxidation of vinasse

**Vinasse**  
40000 ppm



**Treated effluent**  
200 ppm



# SCWO of sludge from wastewater treatment plant





# Hydrothermal treatment of biomass



Biomass



High added  
value products

