

# KPA Unicon Eco Efficiency



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KPA Unicon provides **responsible energy solutions** and life cycle services

» **Founded 1990**

» **Family owned company**

» **180 professionals**

» **Local sales representatives in over 15 countries**



# Effective Renewable Energy



# Renewable Bioenergy



**CITIUS**  
Unicon Biograte

**2,5 MW<sub>e</sub>**

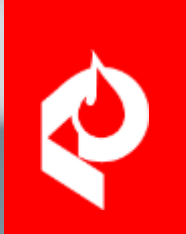
**ALTIUS**  
Unicon Biograte

**5 MW<sub>e</sub>**

**FORTIUS**  
Unicon Biograte

**10 MW<sub>e</sub>**

# Eco Efficiency







# Life Cycle Services

**Remote Monitoring  
and Operation**

**Operation &  
Maintenance  
Services**

**Training and Advisory  
Services**



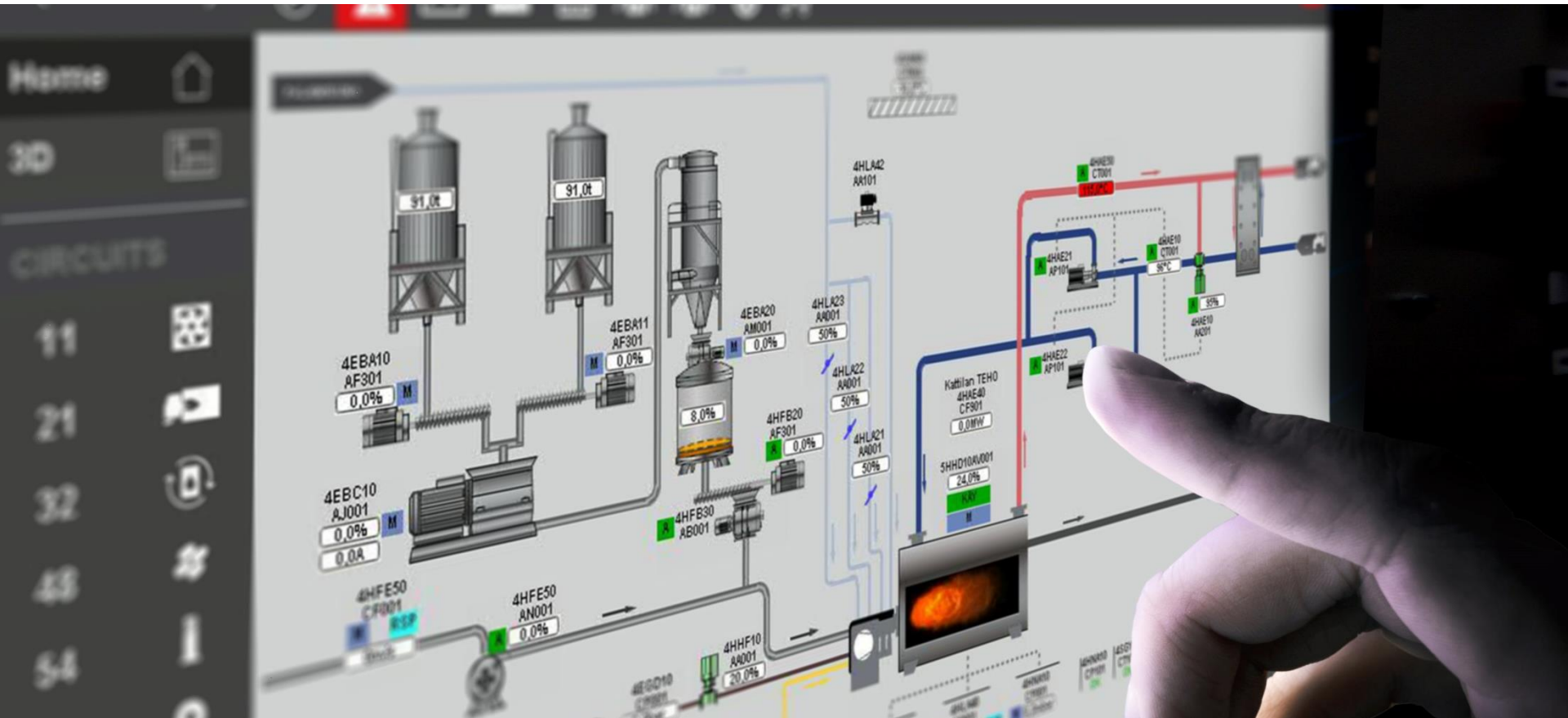
**Spare Parts**

**Upgrade Services**

# PlantSys<sup>®</sup>



A plant monitoring and control system for operators, service specialists and managers



Responsible energy solutions





## Portal modules



**Plant  
documentation**



**Plant  
equipment**



**Communication  
board**



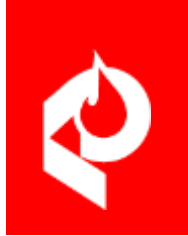
**Reporting**



**Plants**



**Maintenance**



## Our references – all over the world

### 114 Biomass boiler plants with Biograte combustion system

- » 710 MW<sub>th</sub> hot water boiler plants
- » 129 t/h steam boiler plants
- » Finland, Russia, Baltic Countries, France, Canada, Sweden

### 26 Biomass power plants with Biograte combustion technology

- » Electricity production between 1 to 6 MW<sub>e</sub>
- » Heat production between 0 to 19 MW<sub>th</sub>
- » Germany, Belgium, Sweden, Finland, Belarus, Russia, Czech Republic, Ireland

### 1500 Oil and gas boiler plants

- » Capacity range from 1 to 60 MW<sub>th</sub> per unit
- » Finland, Sweden, Russia, Belgium, Belarus, Baltic Countries, Kazakhstan, Nigeria, Afghanistan, Belarus, Ukraine



# Current Projects



## ▶ Bio

Stora Enso Wood  
Products Oy,  
Honkalahti

Stora Enso Ala,  
Ljusne, Sweden

## ▶ O&G

ArcelorMittal  
Vanderbijlpark  
South Africa

Astravyets  
Belarus

## ▶ Life Cycle

Koskisen Oy,  
Koskinen, Finland

Veisto Oy,  
Kissakoski, Finland  
(O&M)

Lahden Energia Oy,  
Lahti, Finland

Imatran Lämpö Oy,  
Imatra, Finland

Kanteleen Voima  
(O&M)  
Haapavesi, Finland



