

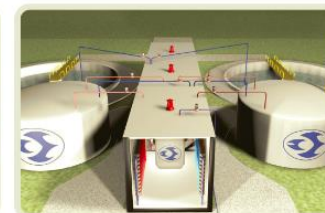
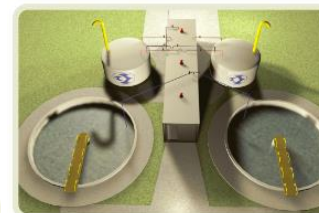
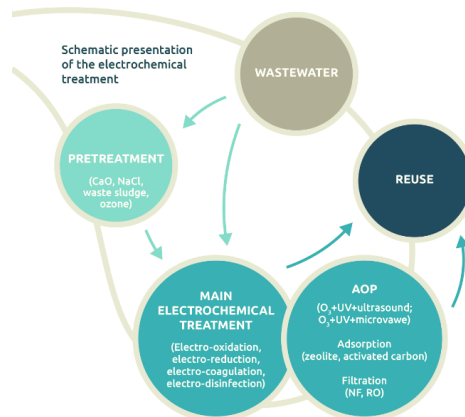
ELECTROCHEMICAL SYSTEM FOR WASTEWATER TREATMENT IN PAPER INDUSTRY

- 15 Years focus on research
- 2010 – founded ‘Advanced Energy’ – an international leading R&D company
- Products developed in cooperation with leading Croatian companies and Croatian universities and institutes
- Products developed in cooperation with leading Croatian companies and Croatian universities and institutes
- International patent rewarded in October 2013
“Process & device for Electrochemical of industrial wastewater and drinking water.”
Patented technology that removes: emulsified oil, TPH, suspended solids and heavy metals. Contaminants otherwise impossible to be removed by filtration or chemical systems.
- 2015 – Dutch Institute for Water Treatment (DIWT)





MATERIALS AND METHODS



PARAMETER	INITIAL EFFLUENT	PHASE I	PHASE II	PHASE III	UPL
Temperature (°C)	10-60	31	30	27	40
pH	6.91	7.5	8	8.2	6.5 - 9.5
Suspended solids (mg/L)	1613	45	19	10	80
BOD5 (mg O2/L)	1440	630	10	5	250
COD (mg O2/L)	2714	1100	680	598	700