

Worked with 40+ industrial collaborators

Food & Health **Environment & Ag Biofuels & Biomass** Materials & Chemicals













































Ongoing projects











CinderBio















Aralez Bio





















Geltor





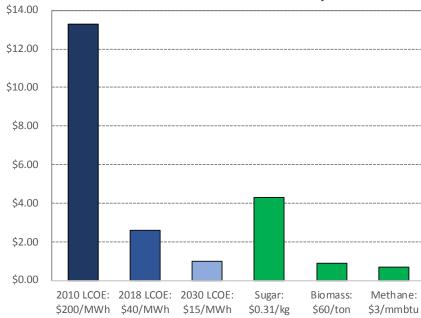




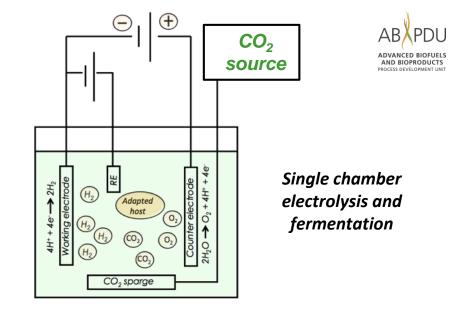




Feedstock cost per GGE: 50% conversion efficiency



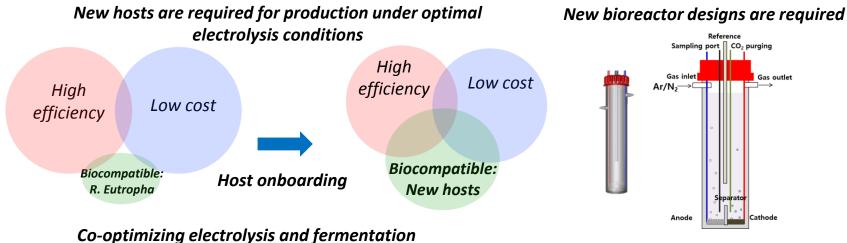
Renewable electrons are approaching \$/kJ parity with biomass



Key benefits	Key challenges
Simplified mass transfer, no sparging	Reactive oxygen species
Flexible aerobic metabolism	Metal ions
Simple, separation-free electrolysis	High temperature
Modular scaling	High salinity, extreme pH



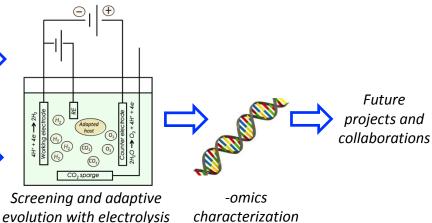




Optimize electrolysis

Screening with

simulated electrolysis





Environmental enrichments

Strain libraries

