

**porelogix**  
ULTRAFILTRATION SYSTEMS



# ALGAE PRODUCTION

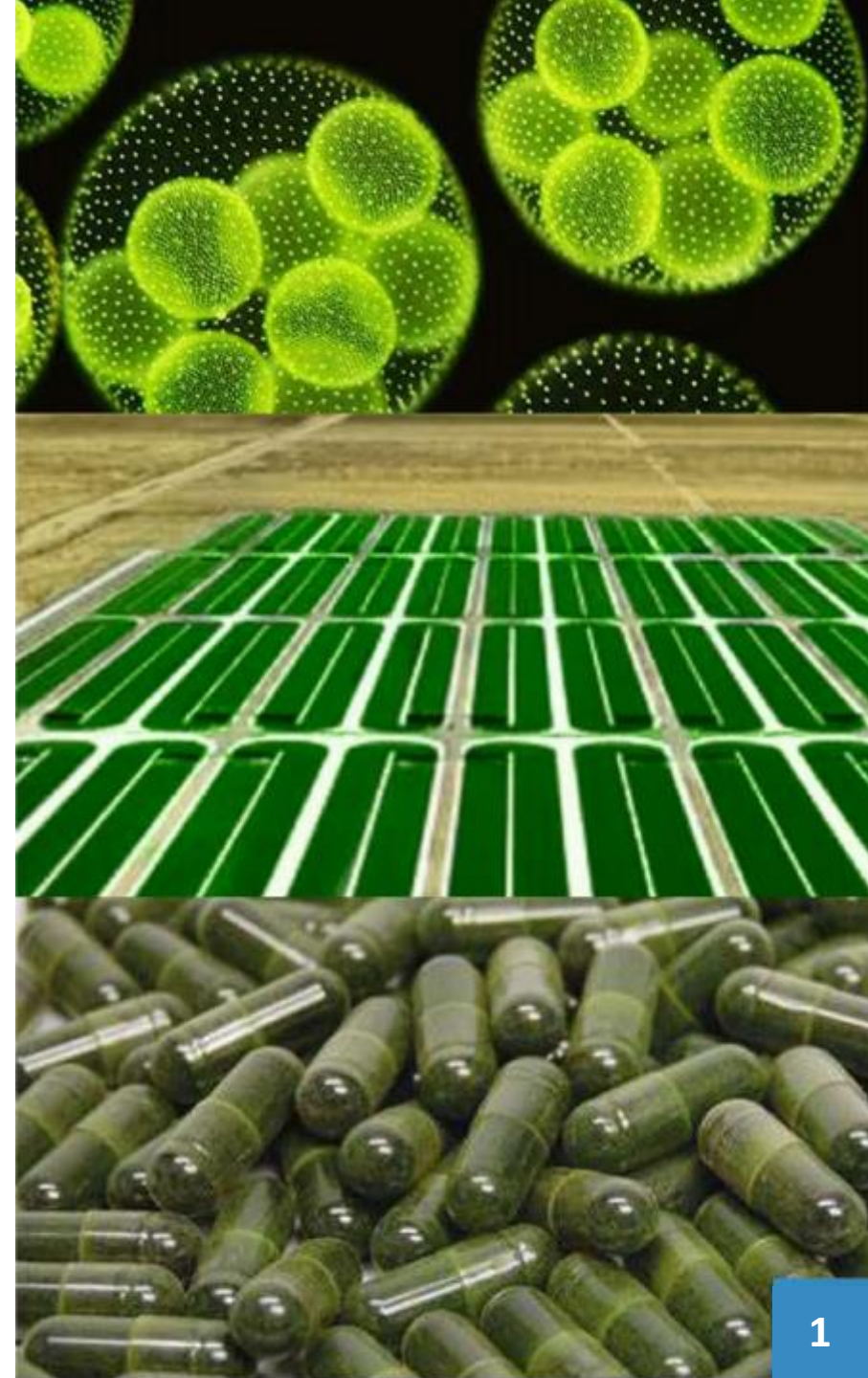
## FUELING THE BIOECONOMY

Scientists are unlocking the vast potential algae holds for biofuels, food, pharma, pigments and bioplastics. The global market value of algae and coproducts is expected to rapidly accelerate into the billions in the next five years.

## BUILDING A SUSTAINABLE FUTURE

Microalgae are generally recognized as the most promising solution for both bio-fuel production and industrial capture of emitted CO<sub>2</sub>. The ability of these photosynthetic microorganisms to convert carbon dioxide into carbon-rich lipids greatly exceeds that of agricultural crops, without the need for arable land or water.

Porelogix T-Series Algae Dewatering Systems are at the leading edge of commercial algae dewatering. Recognized by the US Department of Energy, B.E.T.O., DISCOVER Consortium, PACE, ATP3, SFN Biosystems, Algae.tec, AZCATI, the Nebraska Innovation Fund and Algae Industry Magazine, Porelogix has proven unparalleled performance and is considered a technological breakthrough for the future commercial development of the Algae industry.





# ADVANCED ALGAE DEWATERING

The Porelogix T-Series™ Algae Dewatering Systems were designed and built after 8 years of collaborative testing with leading private and public algae producers.

Utilizing its flexible design, the T-Series Dewatering systems have been awarded for the following achievements

- Low Energy Consumption
- Concentration Rate
- AlgaeSense™ Operating System
- Overall System Economics



Some of the leading organizations we provide dewatering for:





# PORELOGIX T-SERIES™

Porelogix Ultrafiltration Systems are engineered and built with the highest quality components on the market, offering fully customizable systems to meet any flow requirement.

## System Features

- V.2 Modified Hollow Fiber Ultrafiltration Membrane designed for Algae Dewatering
- Touch Screen Control Panel with Algae Sense™
- FLEX Design for batch processing
- Gravity Drain Configuration
- High efficiency Stainless Steel 304 Feed and Back Flush Centrifugal Pumps with Variable Frequency Drive (VFD)
- High Efficiency Rotary Air Blower
- Automatic Control Valves
- Powder Coated Steel Frame
- Digital Instrumentation
- Remote Monitoring and Operation

## Options

- Progressive Cavity Positive Displacement Pump
- Containerized Unit
- Stainless Steel Frame
- UL Certification





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