

Next Rung Technology

Engineering Sustainable Solutions that Scale!

www.nextrungtechnology.com

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MISSION



We envision a world where engineers play a key role in creating a healthy and sustainable planet.

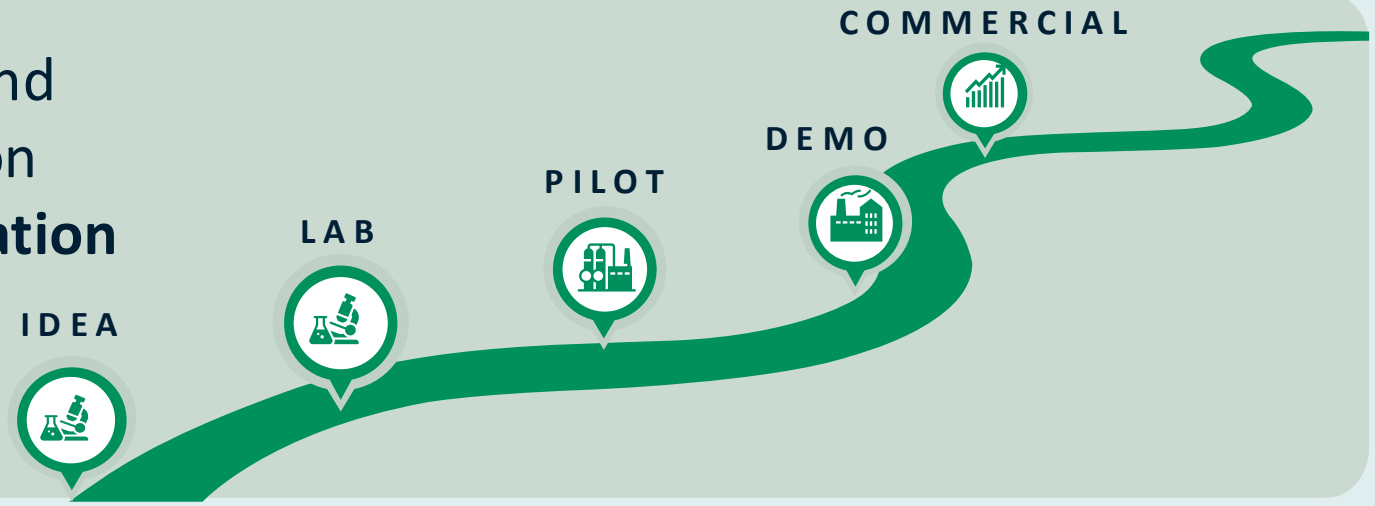
Our mission is to solve complex challenges by providing hands-on engineering support & analysis to companies scaling emerging technology solutions.

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OVERVIEW

Next Rung is an engineering and consulting company focused on the **scaling and commercialization of emerging process technologies.**



Since 2017 we have helped over **170** customers scale their emerging technologies.

Member of **Greentown Labs, The Engine, mHUB**

Active participant in **national** and **international** innovation ecosystem.

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COMMERCIALIZATION TOOLKIT



Strategic Planning

- Roadmapping
- Go To Market Approach
- Organizational & Operational Leadership
- Risk Management



Tech Development

- Process Design
- Scale Up
- R&D Tech Support
- 3rd party site selection (CMO)
- Customer Requirements



Project Development

- FEL 0/1/2/3
- Design Packages
- Value Engineering
- Grant Application Support
- GMP Strategy



Consulting & Modeling

- Techno-Economic Analyses & Modeling
- Site evaluations
- Life Cycle Analysis
- Capital Cost Estimations
- Pro Forma's



Project Execution

- Owners PM
- Owners Engineer
- Procurement
- Skid Development
- Long-lead procurement
- A&E Outreach / Eng Co

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DELIVERING SUSTAINABLE TECHNOLOGIES

Next Rung Technology provides engineering, execution, operations & consulting services to organizations developing and delivering sustainable technologies.









MARKETS INCLUDE:

- Next Generation and Sustainable Materials
- Low Carbon Technologies (Capture, Sequestration, Removal, Utilization)
- Industrial Bio-technology
- Next Generation Foods and Animal Protein Alternatives
- Renewable Fuels & Chemicals, BioMass Feedstocks
- Water & Wastewater Technologies
- … and more!

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EXAMPLE DEVELOPED PROCESSES & PRODUCTS

Biofuels

- Cellulosic fuels
- Algae-based
- Next gen ethanol



Biochemicals

- Levulinic acid
- Succinic acid
- Malonic acid
- PHA/PHBs
- Adipic Acid

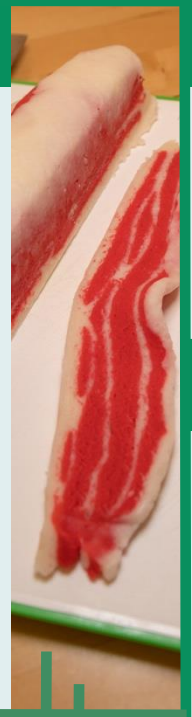


Emerging Technology

- Low-cost sugars
- Low-cost feedstocks
- Scale up facilities
- Enzymes

Replacement Proteins/Food

- Eggs
- Beef/pork/chicken/fish
- Mycelium
- Silk
- Food ingredients
- Grains
- Bioactives
- Fats & Oils



Textiles & Materials

- Materials
- Dyes
- Long chain lipids
- Cotton



Cellular Agriculture

- Beef /chicken / pork
- Novel Bioreactors



Platforms

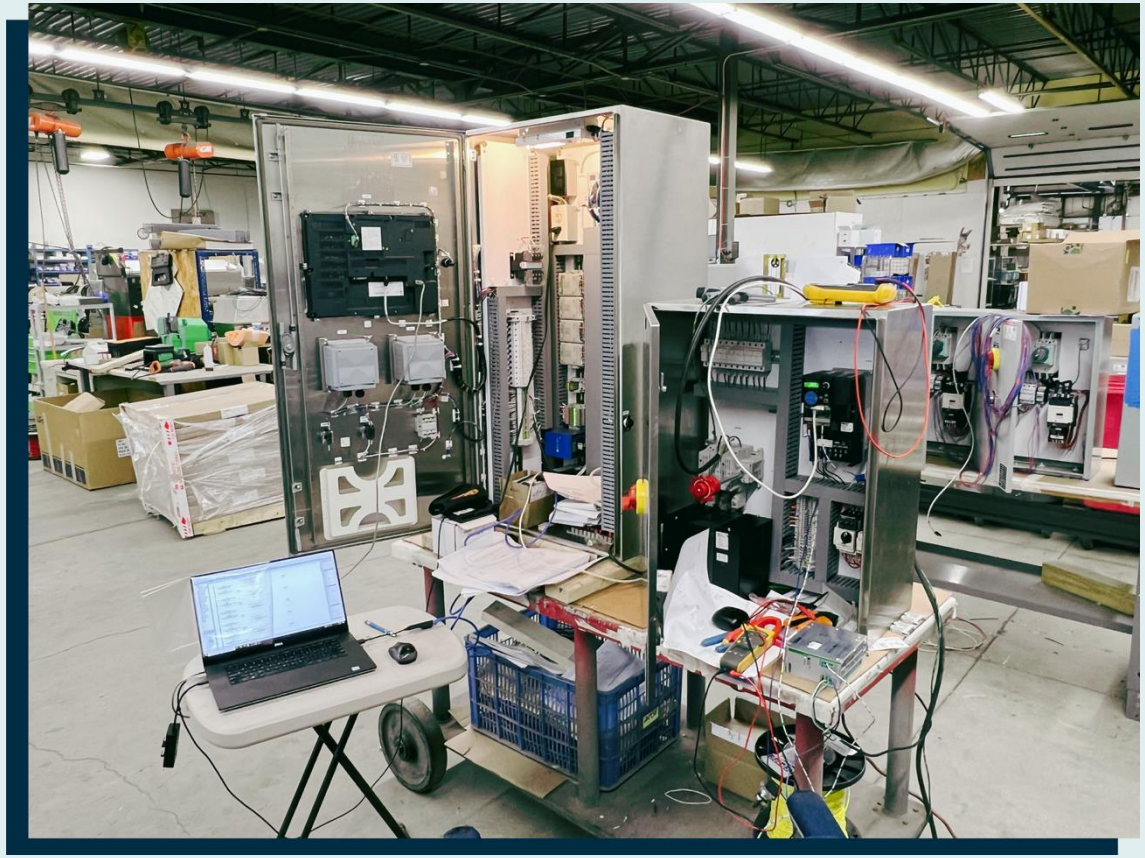
- Conventional
- Gas
- Continuous
- Extracellular/Cell-Free
- Novel Organisms
- Solid State
- Airlift
- Novel Bioreactor Approaches



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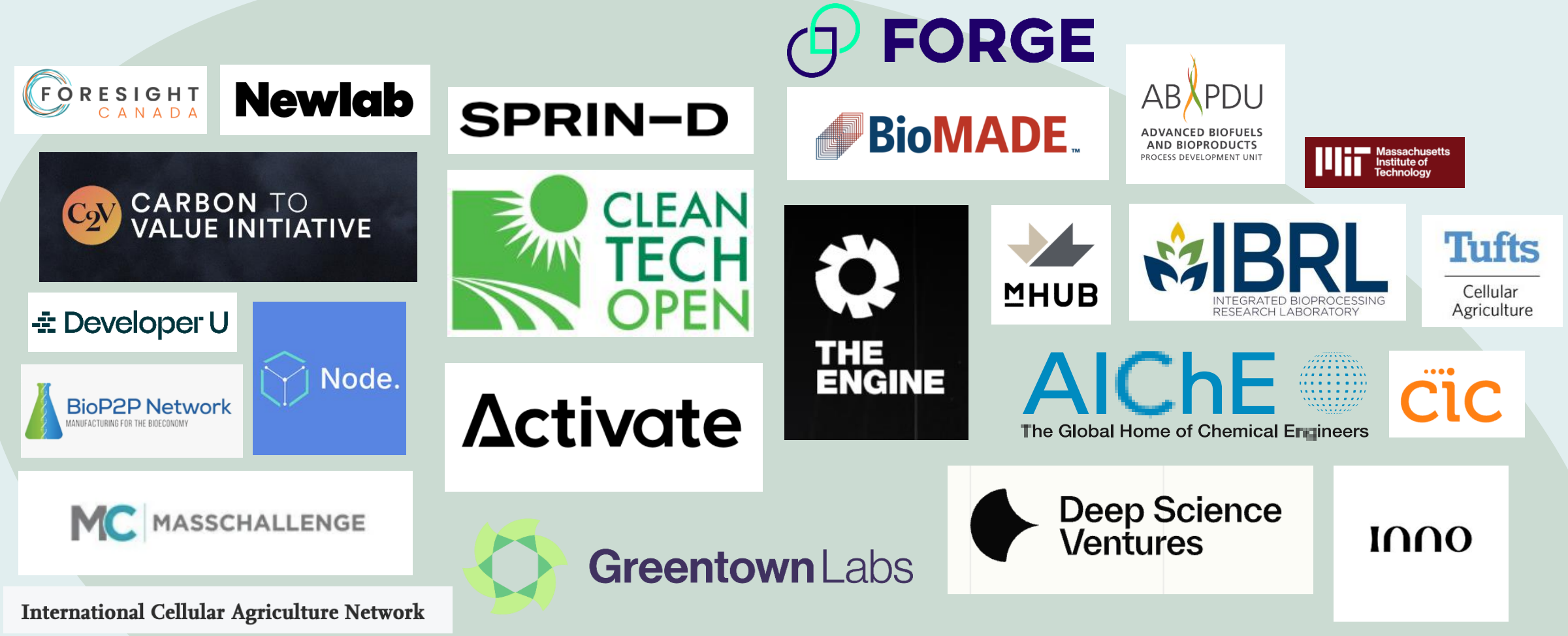




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ECOSYSTEM



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WHAT IT LOOKS LIKE

All Hands on Deck

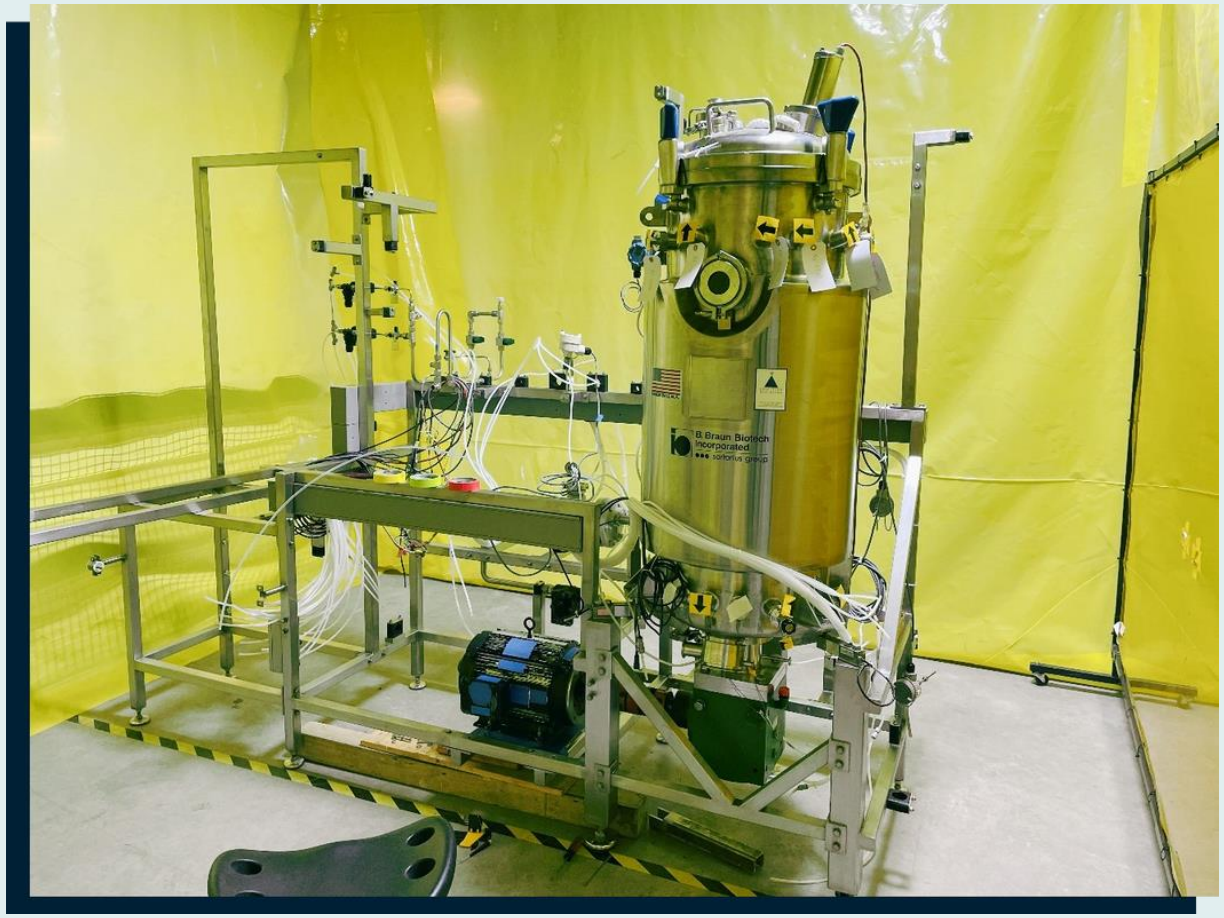


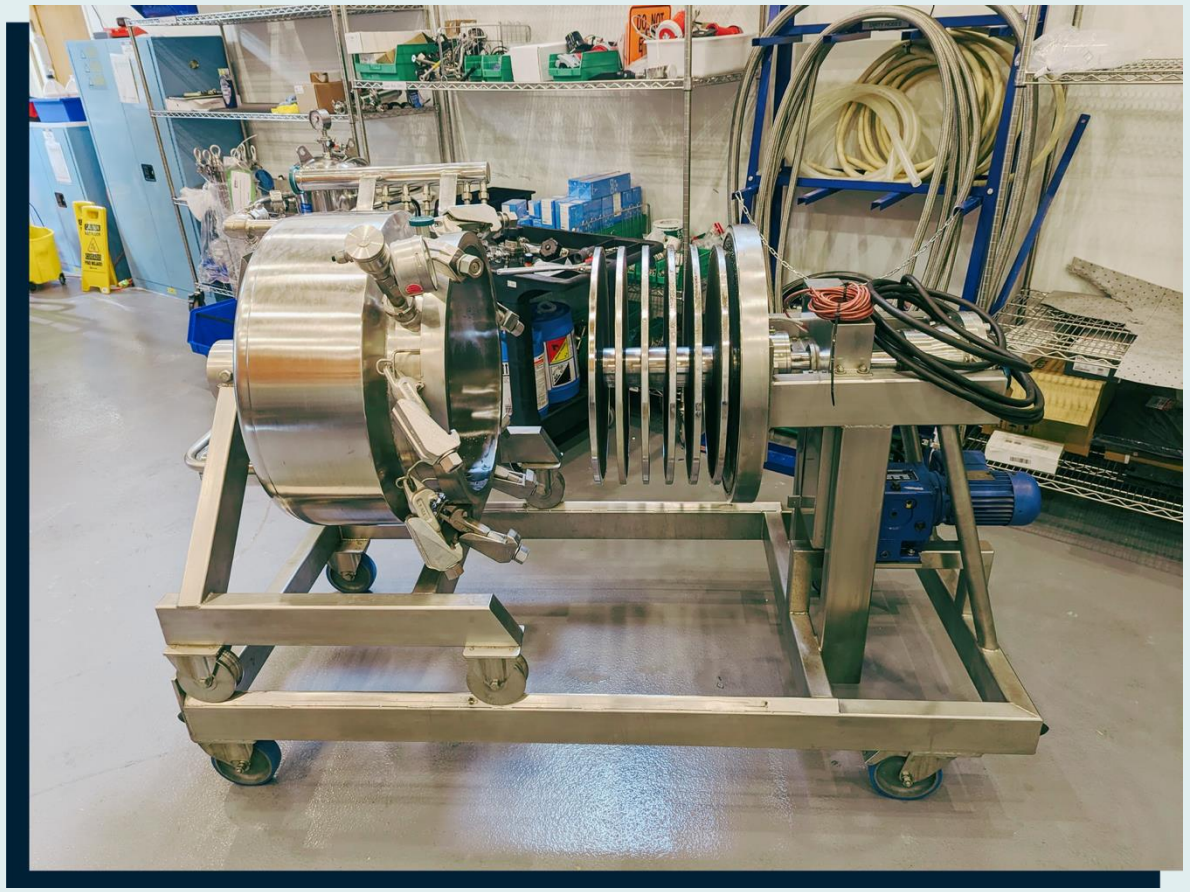


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Saving time as well as $$





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