REVOLUTIONIZING THE OCEAN ECONOMY FOR CLIMATE IMPACT

Sea6 is a pioneer in the ocean economy, transforming cultivated tropical seaweed biomass harvested through large-scale mechanised seaweed farming into carbon-negative, sustainable feedstock for large industrial applications in agriculture, food, and materials.

2010
Founded

2024
300+ employees

SEA6 AT A GLANCE

>4x
5 -Yr Revenue Growth

~8 million
Acres covered since Plant Health Segment launch

5+
Institutional Sales Partners

25+
Countries where products are sold

35+
Country Product Registrations

300+
Employees in 7 countries

5
Manufacturing Sites in 2 countries #

30+
Patents across 12 Families*

10+
Applications in R&D Pipeline

25+
FTEs with PhDs

15+
Scientific Publications

~$30 Million
Funding Raised

WHY WE STARTED

The population continues to grow, and our natural resources are depleting rapidly, a problem further exacerbated by climate change and unsustainable reliance on fossil fuels

14 Billion
Tons of Crude oil *
Equivalent consumed annually

Non-Electrifiable Demand

1.67 Billion
Tons of Crude oil
Equivalent consumed annually

33 Billion
Tons of CO2 emissions
Equivalent produced annually

To secure our planet's future from the climate crisis without sacrificing growth, we need to reduce and replace our dependence on fossil fuels with a carbon-negative, cost-effective and scalable nature-based solution

TO BUILD A SUSTAINABLE FUTURE

Note:
* Includes annual coal and natural gas consumption

TERRESTRIAL BIOMASS IS NOT THE ANSWER

Current biomass (corn, soy, woodchips, etc.) derived from land agriculture has significant constraints and cannot generate a large-scale, sustainable supply to address the non-electrical demand

30-50% of Global Agri Biomass Required

to address ONLY the Non-Electrifiable Demand

SOIL HEALTH DEGRADATION

COMPETES WITH FOOD & FEED SUPPLY

SHRINKING ARABLE LAND

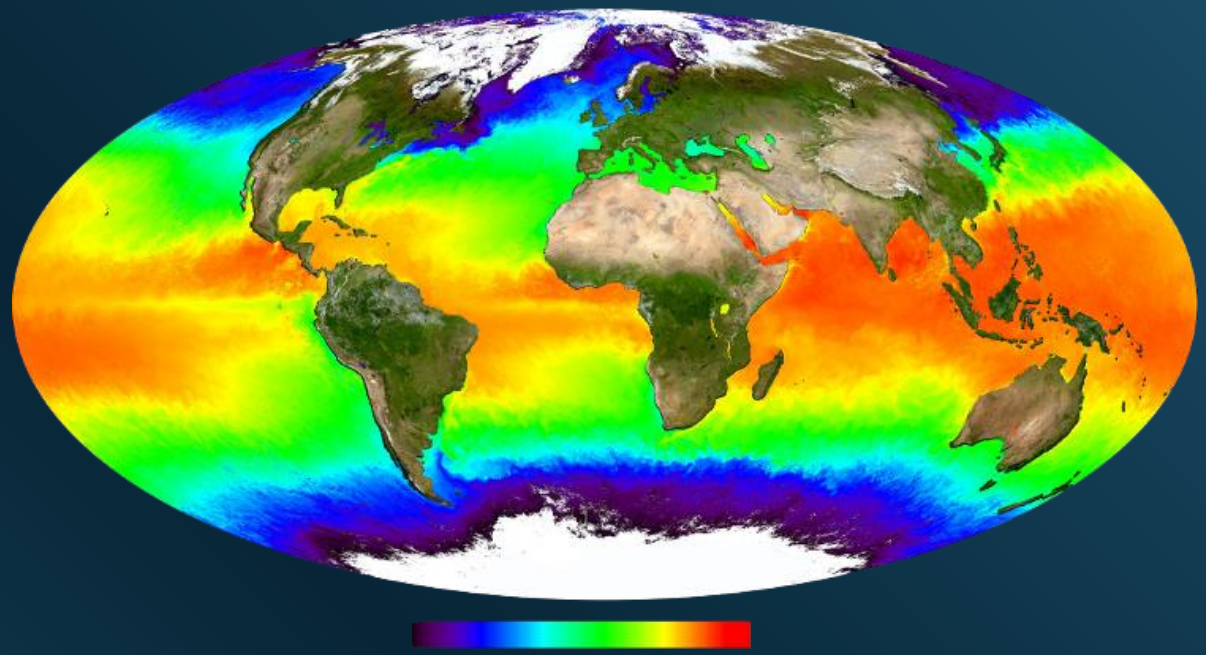
NEED FOR FRESH WATER

WHAT IS THE ALTERNATIVE?

Ocean agriculture is a viable alternative to land agriculture,
and it does not eat into our food supply

Non-Electrifiable Demand Requires

< 1%
of Ocean Area



Especially in the tropics, it offers climatic conditions for year-round cultivation and supply of marine biomass

ADVANTAGES OF FARMING TROPICAL SEAWEED

YEAR ROUND GROWING SEASON

SHORT GROWTH CYCLES

HIGH BIOMASS PRODUCTIVITY

LONG HISTORY OF SPECIES CULTIVATION

FEEDSTOCK FOR AN EXISTING $1BN HYDROCOLLOID MARKET

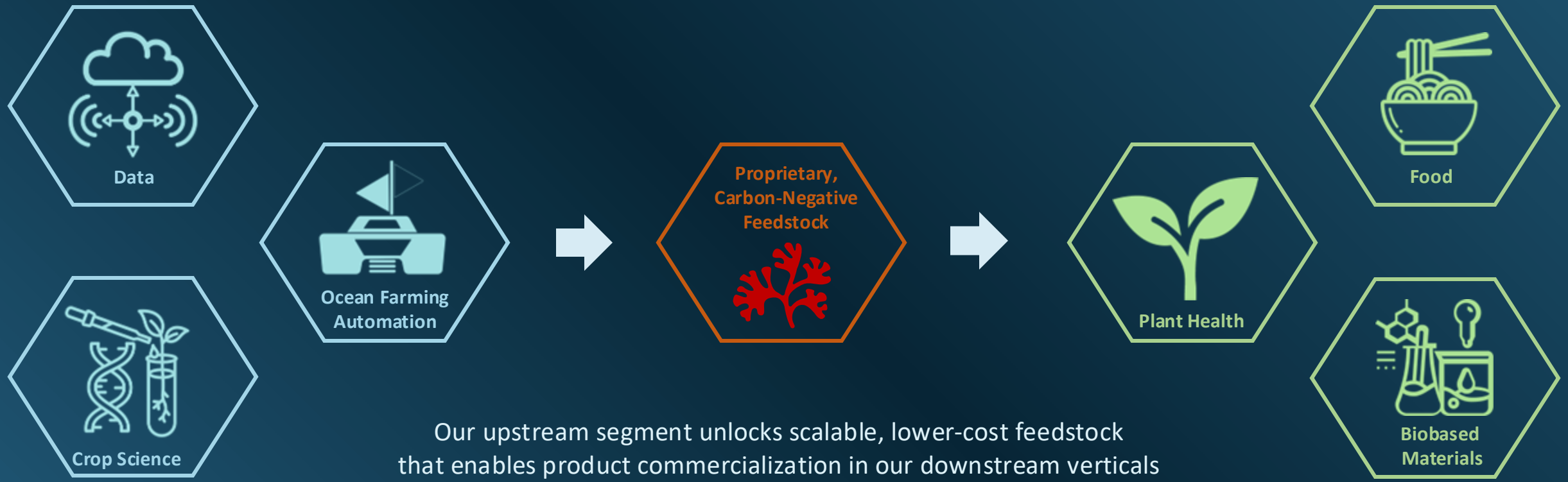
IDEAL AS A LARGE INDUSTRIAL FEEDSTOCK

But tropical seaweed farming comes with its own set of problems!

Lack of any scientific research coupled with antiquated farming methods result in unpredictable, inefficient, and limited supply

BUILT A VERTICALLY INTEGRATED BUSINESS MODEL

In 2010, we embarked on an audacious mission to introduce technology in tropical seaweed farming, while we simultaneously initiated developing downstream applications from the seaweed feedstock



Our upstream segment unlocks scalable, lower-cost feedstock that enables product commercialization in our downstream verticals

Upstream:
Seaweed Farming Technology

Downstream:
Biorefinery Feedstock Applications

FULL STACK TECHNOLOGY PLATFORM DEVELOPED IN-HOUSE

AUTOMATION TECHNOLOGY

FARM INSTALLATION

Unique farm installation systems and custom-designed anchoring equipment to install reliable SeaFarms with accurate positioning

AUTOMATED SEEDING & HARVESTING

Patented Machines developed to automate the process of attaching and detaching seaweed from the substrate lines, improving labour productivity

FARMING AUTOMATION

Custom workboats and equipment designed to move over SeaFarms to install and harvest seaweed lines

SEACOMBINE PLATFORM

Custom-designed vessel which provides a platform to enable all seaweed farming activities offshore

DATA DRIVEN CROP SCIENCE

DATA DASHBOARDS

DRONE MONITORING

CROP MANAGEMENT

WEATHER MONITORING

Managing sea farms at scale in a dynamic marine environment requires agile, data-driven decision making:
Developed SeaFarm monitoring and management systems

Maintaining high crop productivity throughout the year requires deep knowledge of biology and precision agronomy:
Developing crop science databank with crop management protocols

1 SqKm Pilot SeaFarm Launched in Lombok, Indonesia (Feb, 2024)

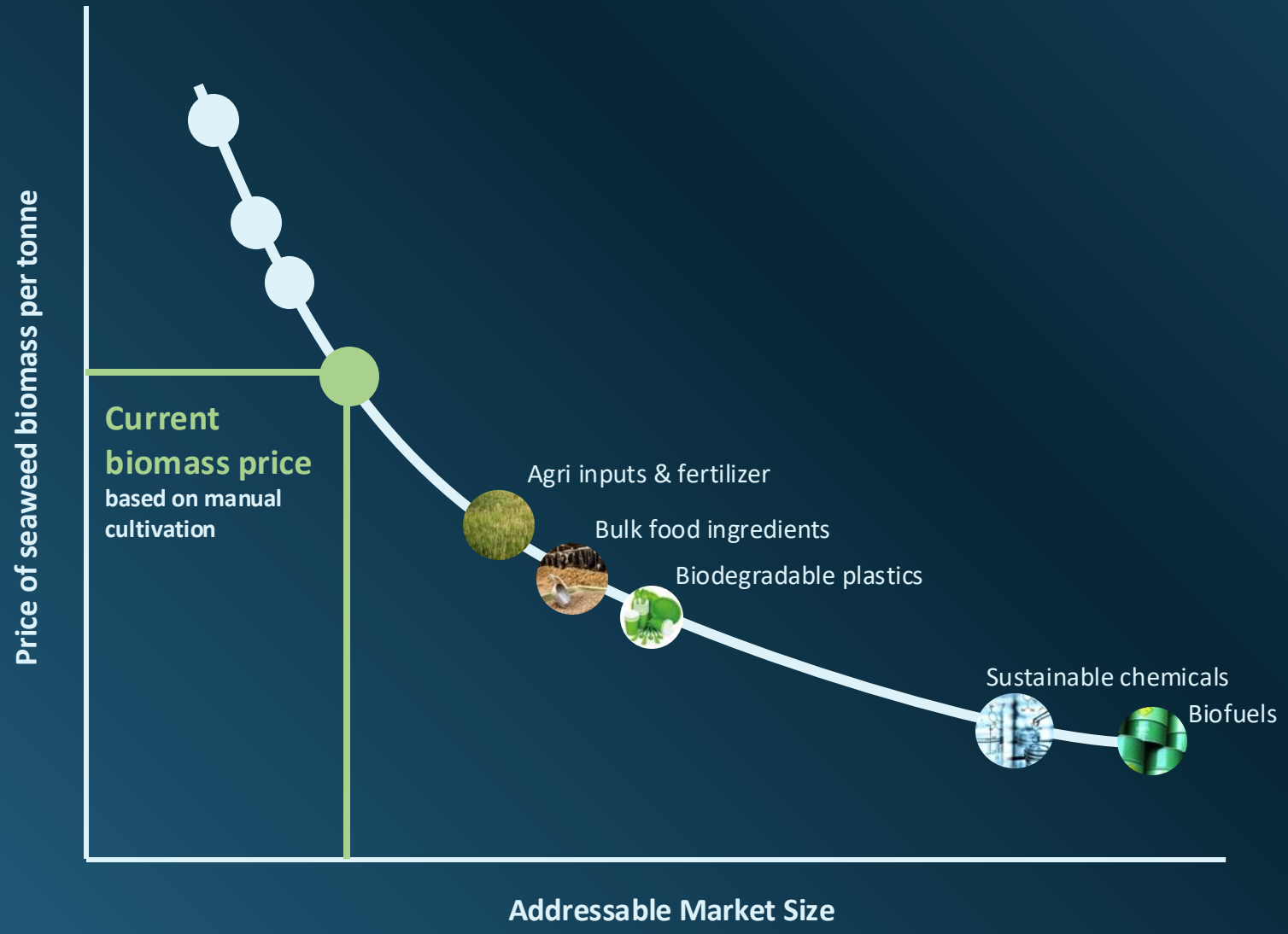
World's first, large-scale, mechanized tropical seaweed farm

With Support From:

TEMASEK FOUNDATION

Government of Indonesia
Coordinating Ministry for Maritime Affairs and Investments

MASSIVE MARKET EXPANSION OPPORTUNITY AS WE COME DOWN THE COST CURVE



MARKET OPPORTUNITY

Agri inputs & fertilizer
$10+ billion

Bulk food ingredients
$10+ billion

Biodegradable plastics
$50+ billion

Sustainable chemicals
$500+ billion

Biofuels
$1+ trillion

COMMERCIALISED PRODUCTS – PLANT HEALTH

FMC

ZUARI AGRO CHEMICALS

YARA

SUMMIT AGRO

PI Inspired by Science

SCALE UP – NOVEL FOODS

PRE-COMMERCIALISATION – BIOPLASTICS

SINGLE FEEDSTOCK, MULTIPLE COMMERCIAL PRODUCT LINES

RESEARCH & PROCESS DEVELOPMENT – SUSTAINABLE CHEMICALS & BIOFUELS

PLANT HEALTH

PATENTED ACTIVE INGREDIENT. NOVEL MODE OF ACTION

Patented AI

Well characterized matrix of Sulphated Galacto Oligosaccharides which is patented globally

Consistent

Our controlled cultivation of Seaplants and proprietary manufacturing process ensures every batch of our product is consistent every single time

25+

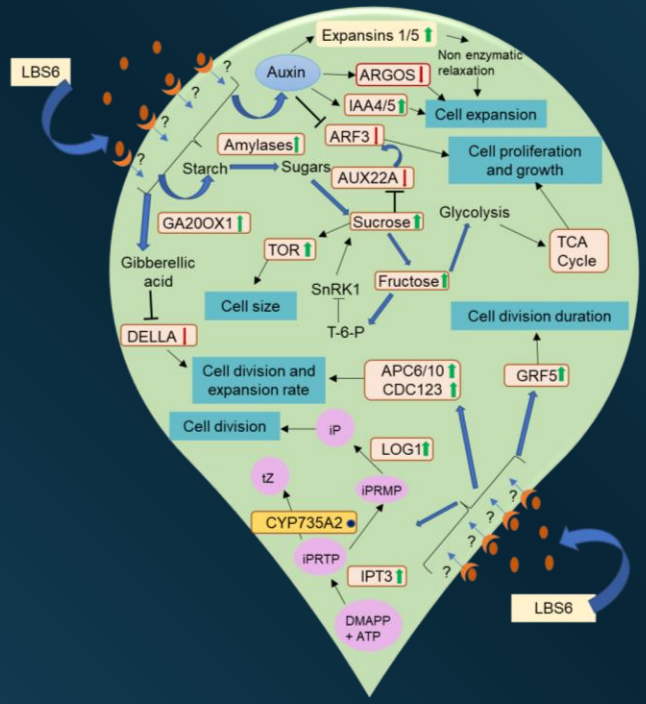
Widely Tested

Our Products have been tested in more than 25 countries around the world

Organic Certified

Our products are certified organic as per OMRI and CDFA

SPURT® Mode of Action



Using genetic upregulation studies, we have established a clear understanding of the Mode of action of the Product

NOVEL FOODS

LARGE OPPORTUNITY AS AN INGREDIENTS APPLICATION

Instant Noodles
Global Market: $55B (2023)

Breads
Global Market: $266B (2024)

Ketchups
Global Market $20B (2023)

Cookies
Global Market: $28B (2022)

Seasonings
Global Market: $27B (2022)

Low Sodium Salt
Size: $186M (2023) ($300M estimated by 2033)

THANK YOU

www.sea6energy.com