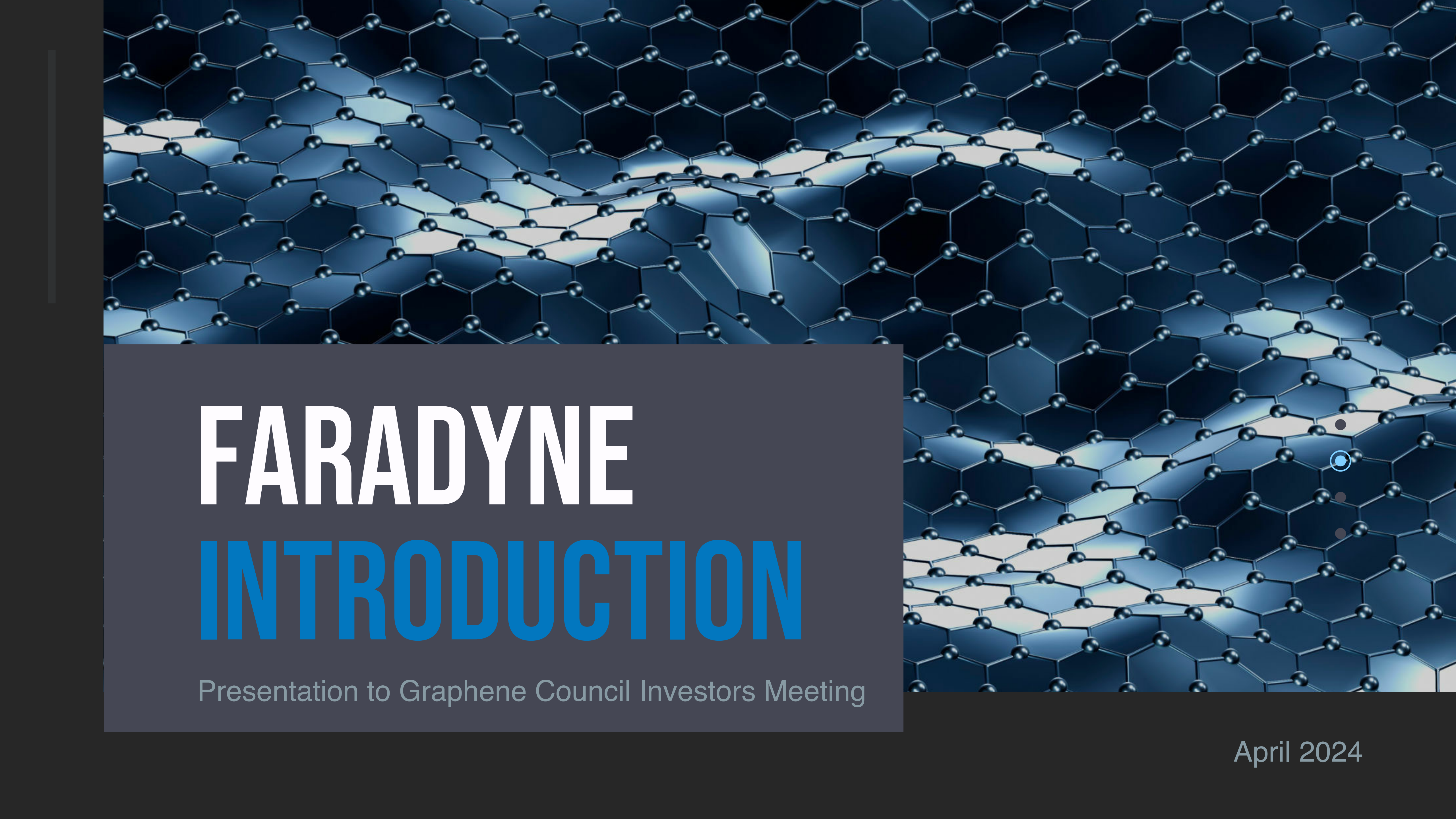


The background of the slide is a detailed 3D rendering of a graphene lattice. It consists of a continuous network of hexagonal rings, each formed by carbon atoms (represented as small dark spheres) connected by covalent bonds (represented as thin lines). The structure is shown in a perspective view, creating a sense of depth. The lighting is dramatic, with some hexagons appearing brighter and more reflective than others, highlighting the crystalline nature of the material. The overall color palette is dominated by deep blues and greys, with some lighter, almost white highlights on the most reflective surfaces.

FARADYNE INTRODUCTION

Presentation to Graphene Council Investors Meeting

April 2024

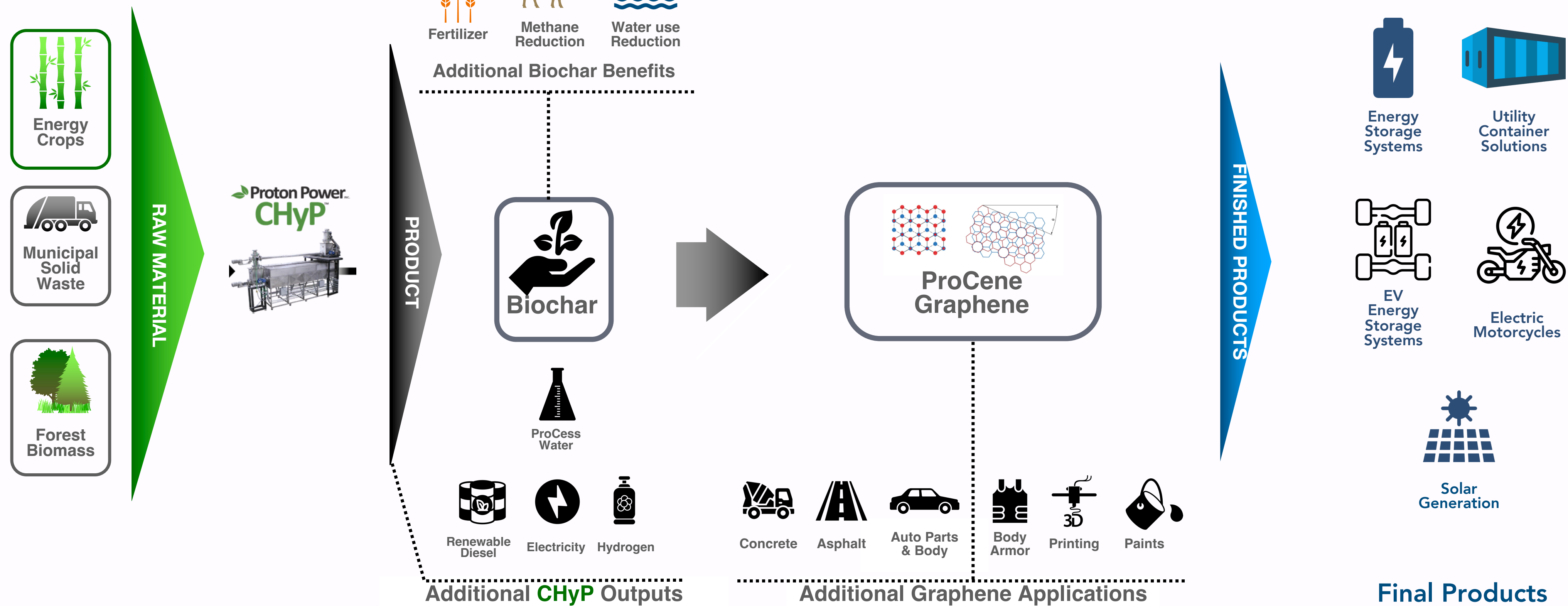
Company Overview

INTRODUCTION FARADYNE

Faradyne is a vertically integrated company that processes biomass into high quality turbostratic graphene through a proprietary high volume and carbon negative process. We develop and manufacture new products and applications that take advantage of the unique characteristics of our turbostratic graphene. Additionally, we provide graphene and graphene blends as graphite-replacing materials to third party partners who use it to enhance their technology.

- ◆ We have the capability to produce large volumes of graphene in a continuous manner and with consistent high quality. **And our technology is rapidly scalable.**
- ◆ Our **turbostratic graphene** significantly outperforms traditional graphene and has extraordinary growth potential. Leveraging on our graphene advantage, we are developing a new type of **graphene-based energy storage system** that contains no lithium, cobalt or any rare materials and will be manufactured **100% in the United States.**
- ◆ We have also laid the groundwork for other exciting future applications of our graphene, including use in solar cells and semiconductor manufacturing.

OUR PROCESS



AURORA
BIOMASS TRANSFORMATION

STRATIC
PROCENE GRAPHENE

FARADYNE
PRODUCTS

Biomass Need
Wet - 24,000 MT/yr
Dry - 14,300 MT/yr

Renewable Diesel
Output
1,250,000 gl/yr

Biochar
Output
1,650 MT/yr

Turbostratic Graphene
Output
1,400 MT/yr

Energy Storage System
Capacity
2.25 GWh/yr

Metrics for a Typical One-Module, 8 Reactor Aurora Plant

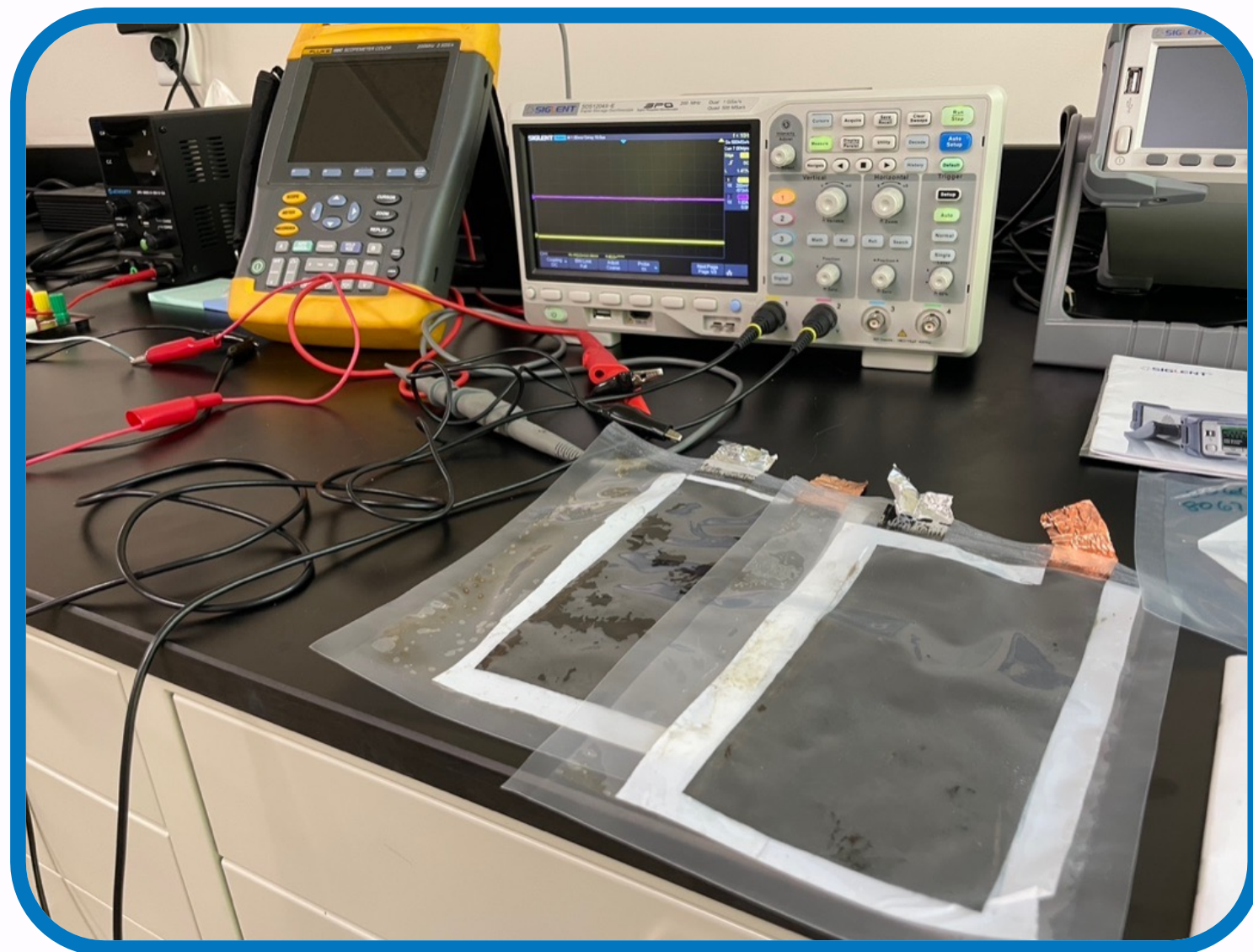
OUR PROCESS



From Biomass to Turbostratic Graphene



Our facility in Tennessee, US



Our first 100% Turbostratic Graphene-based cells

Faradyne's pyrolytic process transforming biomass into high-graphene content biochar is **CARBON NEGATIVE**

Our subsequent graphene refining process also has a **very small carbon footprint**, does not contaminate, and does not emit harmful gases.

Our green biomass-based graphene production system completely eschews **highly contaminating mining and refining processes.**

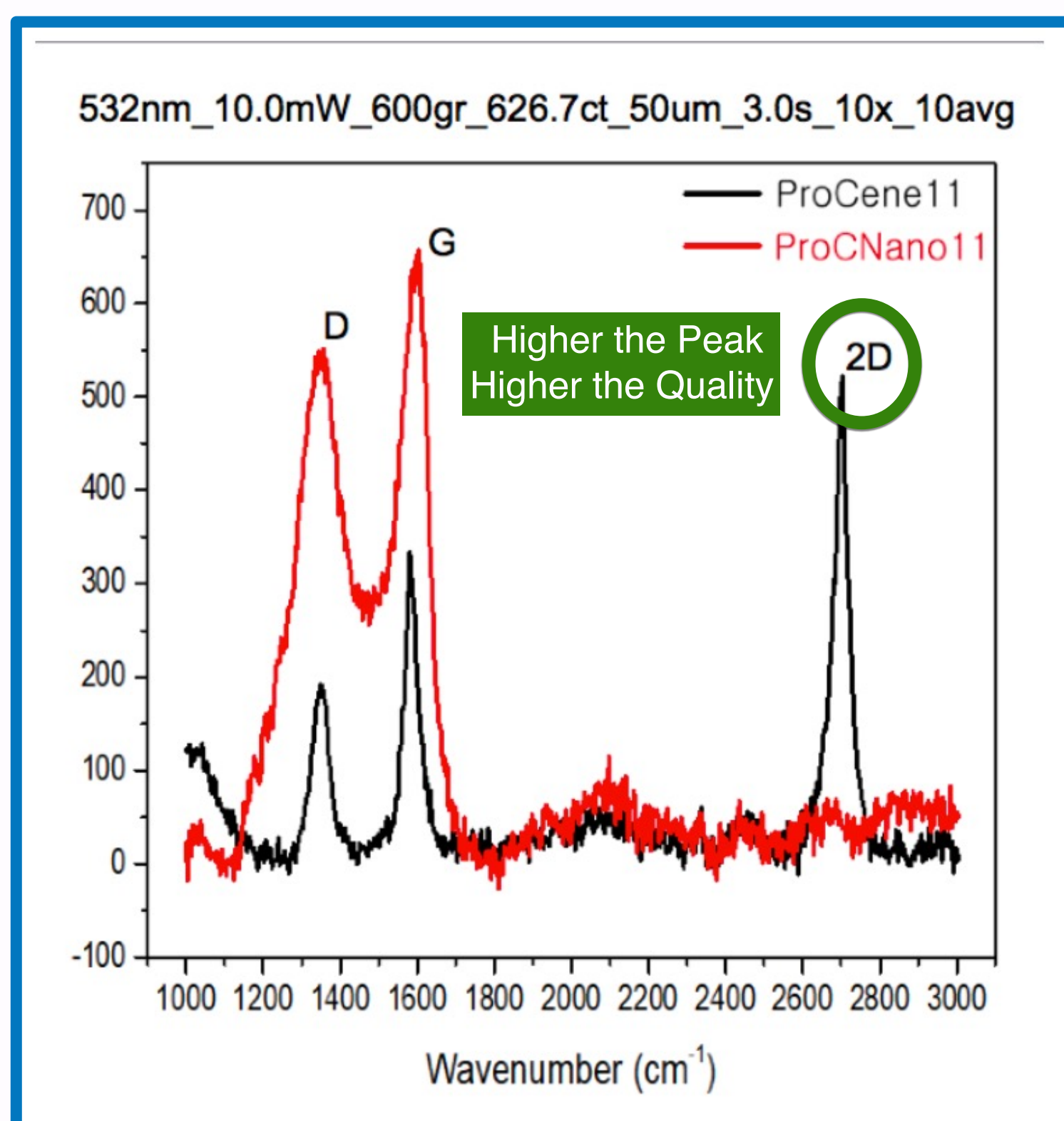


For every **2 tons of biomass** processed, we **remove 1 ton of CO₂** from the atmosphere and permanently sequester it into **Biochar**

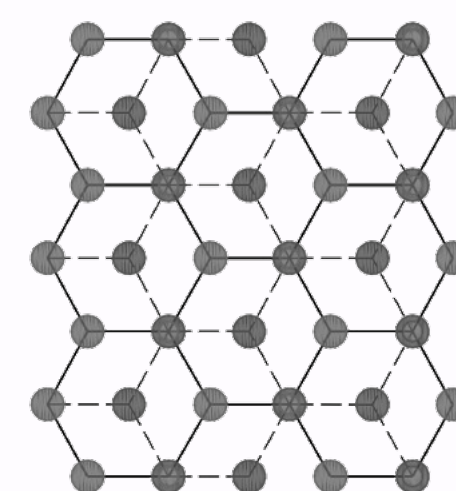
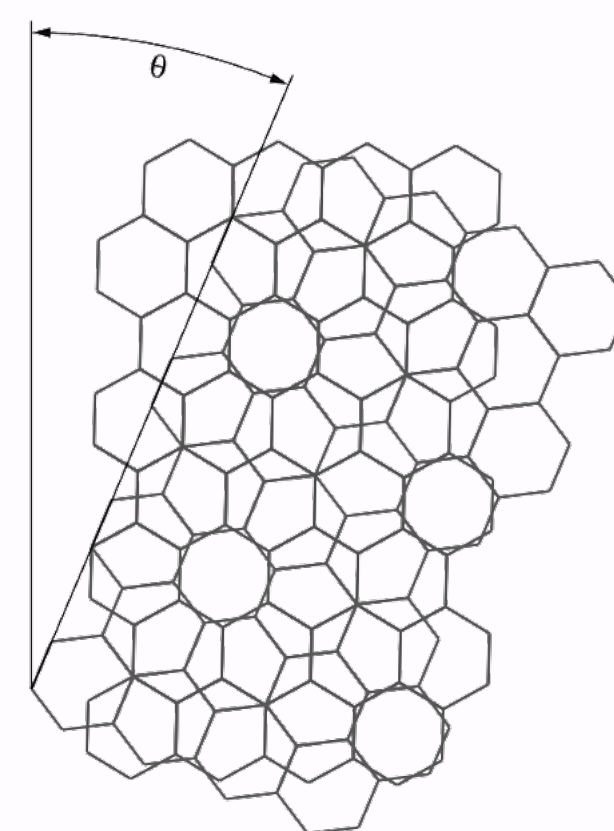
OUR GRAPHENE ADVANTAGES

ProCene has the highest thermal and electrical conductivity compared with any other graphene it has been tested against. Very high thermal conductivity (**2200 W/m/K, 6 x greater than copper**) and Electrical Conductivity: (**40,000 - 80,000 Siemens/cm, vs 0.000115 s/cm Graphite**)

Raman data provided by Monolith, a South Korean company



Turbostratic Nature



Other Graphene

Turbostratic Graphene is a type of graphene characterized by disordered stacking of graphene layers. Unlike perfect, ordered graphene structures, turbostratic graphene has a more random arrangement of carbon layers, leading to **increased interlayer spacing and enhanced surface area**.

1. Increased Surface Area
2. Enhanced Accessibility
3. Improved Electrochemical Activity
4. Interlayer Spacing
5. Flexibility

The combination of these factors makes turbostratic graphene a promising material for energy storage applications, particularly in the development of high-performance supercapacitors.

CURRENT STATUS - WHAT WE'VE ACCOMPLISHED

AURORA	STRATIC	FARADYNE POWER
Established Aurora Biomass LLC	Established Stratic Inc	Established Faradyne Power Systems Corp (Holding Corporation)
Signed a deal with Wampler's to operate Aurora's first Tennessee plant. Added Faradyne equipment to increase production capacity.	Ensured initial biochar supply to Stratic, creating 30 tonnes per month of graphene production capacity.	Ensured enough Graphene capacity to support production of over 750 MWh/year of energy storage systems.
Secured through Wampler's plant about 450 metric tons per year of Biochar, sufficient to produce 360 metric tons per year of turbostratic graphene.	Became a member of the Graphene Council, the graphene industry's leading trade group.	Completed strategic partnership with CrowdPoint to develop crucial groundbreaking BMS that takes full advantage of superior graphene storage characteristics. BMS completed and currently in testing phase.
Montana site and partner chosen for Plant 2; preliminary engineering and permits underway. Estimated 300,000 tonnes/yr of biomass available in the area for processing.		
Engaged LEC Enterprise Consulting to: - Evaluate the current state of federal and state tax incentives, loan programs, and grants. - Identify and assist in negotiating renewable diesel offtake agreements. - Guide us through the D7 RIN (Renewable Identification Number) certification process.	Manufactured groundbreaking proprietary graphene processing equipment (transformation, upgrading , and blending) and set up first continuous turbostratic graphene production plant in the world, with an initial production capacity of 360 Metric Tons per year.	Created and testing the world's first cells made entirely of 100% turbostratic graphene—a monumental stride in energy storage technology. Our team has tested over 300 different formulas through numerous charge and discharge cycles. From this research, we have successfully identified and selected optimal formulations for our next generation of Energy Storage Systems (ESS).
Started shipping Montana tree biomass to Tennessee for biochar processing. Developed relationship with AON for insurance coverages for Aurora biomass plants	Created Graphix (Turbostratic Graphene Blend), the world's first product designed to advantageously replace battery-grade Graphite in conventional lithium ion batteries.	Acquiring the first 100 MWh/year coating line from Delta ModTech, and initiated strategic partnership with them.
Signed with leading EPC company for Aurora Plant 2 in Montana	Performed initial Graphix validation with prestigious independent laboratories (MaxPower Labs / Polaris Labs), confirming Graphix's advantages.	Submitted Cell for independent laboratory tests with MaxPower and Polaris Labs.

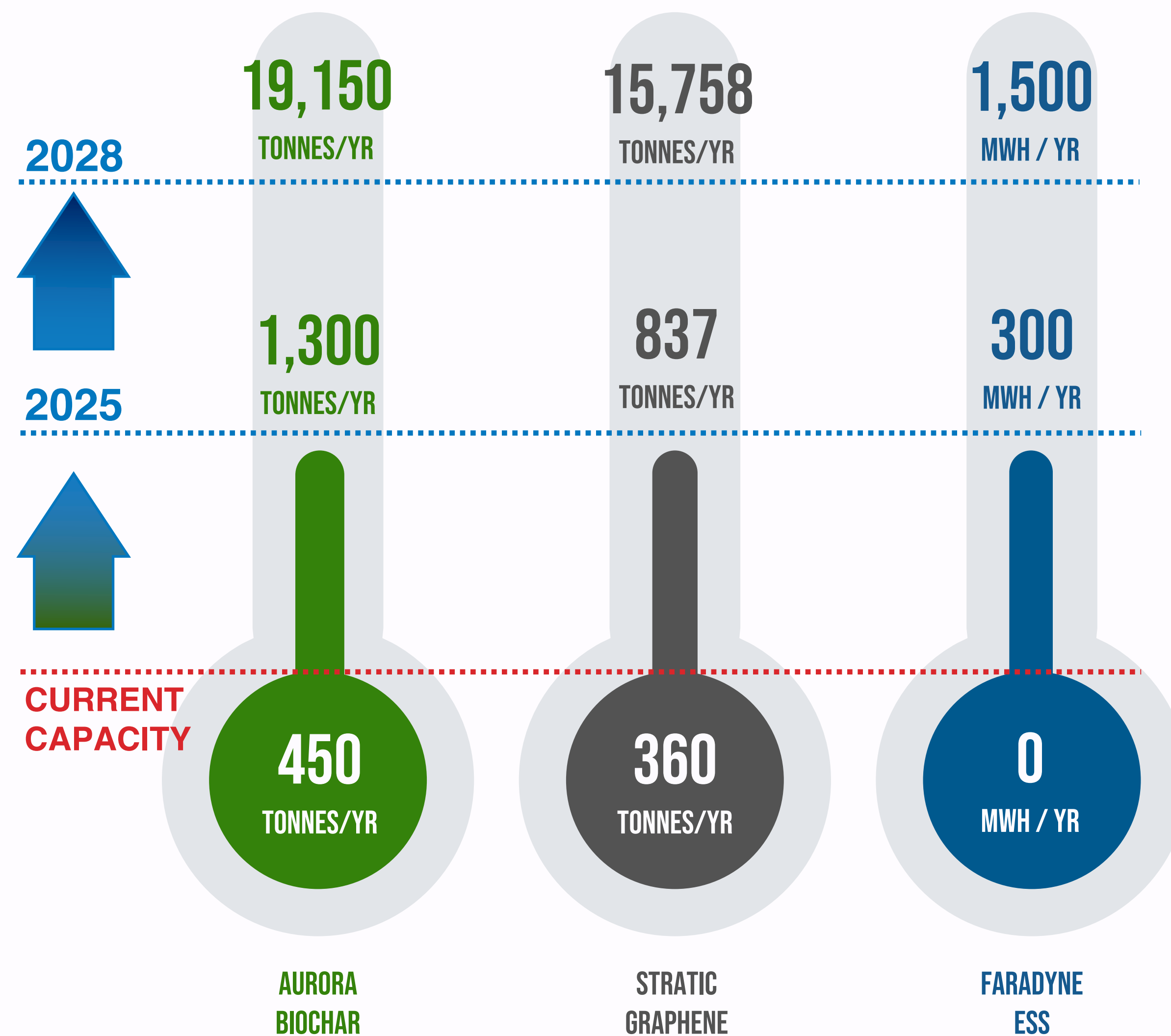
These achievements were accomplished via \$6.0 MM of equity raised to date

CAPITAL RAISE GOAL

Raise \$40MM Equity will give Faradyne and its affiliates the capital to **execute its business plan over the next 18 months**. This plan will enable us to **increase our production capacity across the board**, position the company to take advantage of the emerging markets for graphene, evolve energy storage solutions that use graphene at their core, achieve high levels of internal cash generation, and **set the stage for the Growth Phase**.

\$40 MM

EQUITY RAISE



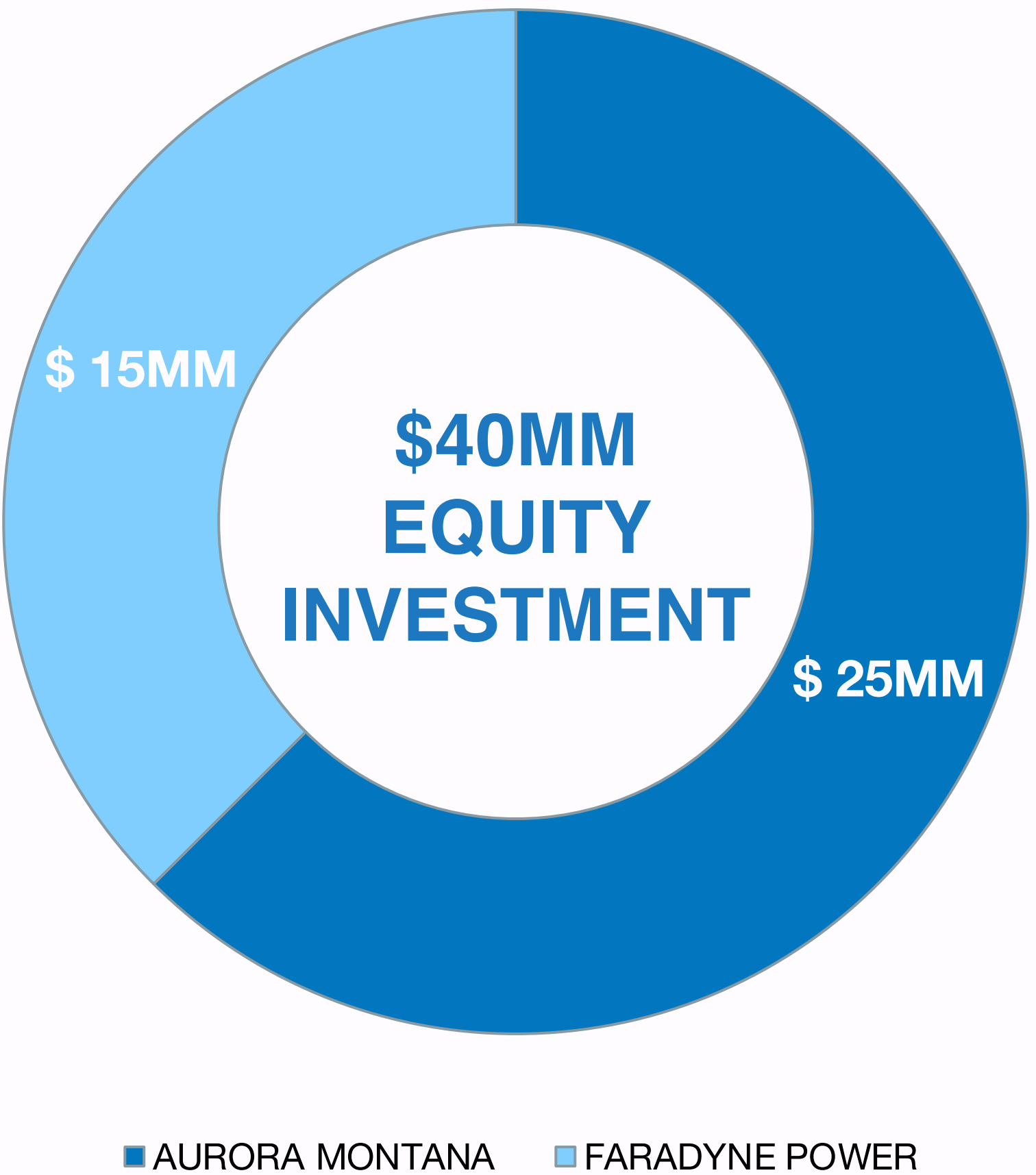
GROWTH POTENTIAL - FINANCIAL PROJECTIONS



Production & Sales Projections			2024	2025	2026	2027	2028
Renewable Diesel	Gal		-	600,000	3,600,000	8,400,000	13,200,000
Graphene Sales	Tonnes		150	837	4,567	10,162	15,758
Energy Storage Products Sales	MWh		-	300	500	1,000	1,500
Income Statement			2024	2025	2026	2027	2028
Total Revenue	US\$	\$	1,573,535	\$ 172,252,724	\$ 359,254,988	\$ 748,587,448	\$ 1,138,404,575
EBITDA	US\$	\$	(1,200,743)	\$ 101,902,168	\$ 233,037,653	\$ 489,703,632	\$ 740,329,238
Net Income	US\$	\$	(1,427,243)	\$ 69,717,685	\$ 159,537,338	\$ 337,856,159	\$ 514,437,996
Cash Flow Statement			2024	2025	2026	2027	2028
Beginning Cash	US\$	\$	500,000	\$ 15,940,403	\$ 46,027,647	\$ 76,025,393	\$ 160,482,809
Cash Flow from Operations	US\$	\$	(1,200,743)	\$ 71,428,702	\$ 161,994,373	\$ 343,956,194	\$ 524,181,031
CapEX	US\$	\$	(23,358,855)	\$ (55,841,852)	\$ (73,900,000)	\$ (73,900,000)	\$ (31,900,000)
Financing Activity	US\$						
Equity	US\$	\$	25,000,000				
Equity, or Gov.Loan Guarantee,Grants etc.	US\$	\$	15,000,000				
Debt Financing on Aurora Plants	US\$	\$	-	\$ 33,610,332	\$ 58,080,000	\$ 58,080,000	\$ 24,480,000
Debt Principal Payments	US\$	\$	-	\$ (1,680,517)	\$ (4,500,491)	\$ (7,179,466)	\$ (8,044,493)
Projected Distributions	US\$	\$	-	\$ (17,429,421)	\$ (111,676,137)	\$ (236,499,311)	\$ (360,106,597)
Ending Cash	US\$	\$	15,940,403	\$ 46,027,647	\$ 76,025,393	\$ 160,482,809	\$ 309,092,750

INVESTMENT ALLOCATION

- 1. **Aurora US\$ 25MM** - Construction of Aurora Biomass Plant in Montana. \$ 10 MM is for equipment, \$12 MM for EPC, and \$3 MM for working capital. Expected construction start date April 1st, 2024. Expected Completion April – May 2025.
- 2. **Faradyne Power US\$ 15MM** - Faradyne Power requires a total investment of \$15MM, which will be allocated as follows: **Stratic US\$ 6MM** - Build and upgrade additional graphene processing equipment, increasing production capacity from 360 tonnes/yr to 1760 tonnes annually; **Faradyne Products US\$ 6MM** - Purchase equipment to increase ESS production; and **Faradyne Power US\$ 3MM** - working capital.



An aerial photograph of a dense, vibrant green forest. In the center of the image is a rectangular pond. The pond's surface is decorated with five horizontal stripes of varying shades of blue and green, creating a visual effect reminiscent of a battery level indicator. The surrounding forest is thick with trees, and wispy white clouds or mist are scattered throughout the scene, adding a sense of depth and atmosphere.

**WE ARE GREEN
WE ARE CLEAN**

WE ARE TURBOSTRATIC GRAPHENE

THANK YOU

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