



Investor Presentation

June 2024

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This presentation and other written or oral statements made from time to time by representatives of Crown Electrokinetics may contain "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934. Forward-looking statements reflect the current view about future events. Statements that are not historical in nature, and which may be identified by the use of words like "expects," "assumes," "projects," "anticipates," "estimates," "We believe," "could be," "future" or the negative of these terms and other words of similar meaning, are forward-looking statements. Forward-looking statements are based on management's current expectations and assumptions regarding our business, the economy and other future conditions and are subject to inherent risks, uncertainties and changes of circumstances that are difficult to predict and may cause actual results to differ materially from those contemplated or expressed. Should one or more of these risks or uncertainties materialize, or should the underlying assumptions prove incorrect, actual results may differ significantly from those anticipated, believed, estimated, expected, intended or planned. Important factors that could cause actual results to differ materially from those in the forward looking statements include: a continued decline in general economic conditions nationally and internationally; decreased demand for our products and services; market acceptance of our products; the ability to protect our intellectual property rights; impact of any litigation or infringement actions brought against us; competition from other providers and products; risks in product development; inability to raise capital to fund continuing operations; changes in government regulation, the ability to complete customer transactions and capital raising transactions.

Factors or events that could cause our actual results to differ may emerge from time to time, and it is not possible for us to predict all of them. We cannot guarantee future results, levels of activity, performance or achievements. Except as required by applicable law, including the securities law of the United States, we do not intend to update any of the forward-looking statement to conform these statements to actual results.

All forecasts are provided by management in this presentation and are based on information available to us at this time and management expects that internal projections and expectations may change over time. In addition, the forecasts are entirely on management's best estimate of our future financial performance given our current contracts, current backlog of opportunities and conversations with new and existing customers about our products. This overview is delivered solely as reference material with respect to our company. This document shall not constitute an offer to sell or the solicitation of an offer to buy securities in our company in any jurisdiction. The information herein is based on data obtained from sources believed to be reliable.

Executive Summary

- Crown is comprised of two operating divisions, Electrokinetic Film (EK) and Smart Window Insert Production and Fiber Optic Network Construction.
- Crown's Electrokinetic Film division manufactures electrokinetic film and assembles smart window inserts. Our EK Film technology allows any glass surface to transition between clear and dark in seconds.
- EK Film division customers are commercial office building owners (REIT's), helping them retrofit their existing office buildings with our Smart Window Insert to be environmentally responsible and energy efficient. Crown's Smart Window Insert™ can lower the HVAC energy costs for building owners and help lower the building's carbon footprint.
- Crown Fiber Optics division is a turnkey communications construction company led by Corey Boaz, President of Construction specializing in the design and construction of fiber optic networks.
- Crown Fiber Optics division customers include, tier 1 telecom companies, cable providers, internet service providers, dark fiber providers, developers, enterprise to local municipalities and general contractors, across the country.

Business Structure



Electrokinetic Film Division

- Smart Window Inserts
- US Office Buildings

Fiber Optics Construction Division

- Turnkey Fiber Optics Construction
- Telcom's and Utilities



Electrokinetic Film Division



Our Product: **Smart Window Inserts for Building Retrofit**



Reduce energy and improve carbon footprint by improving current windows.



Improve the occupant's experience by providing daylight without glare and that "baked in the sun" feeling.



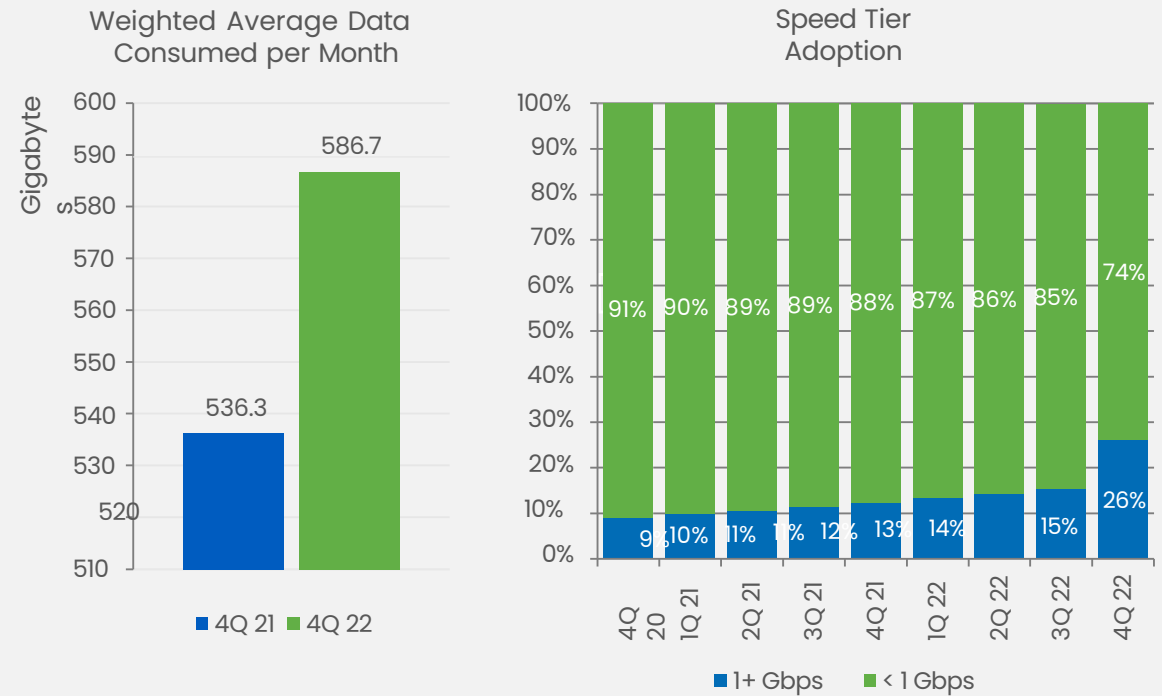
Eliminate troublesome and high-maintenance blinds and curtains.



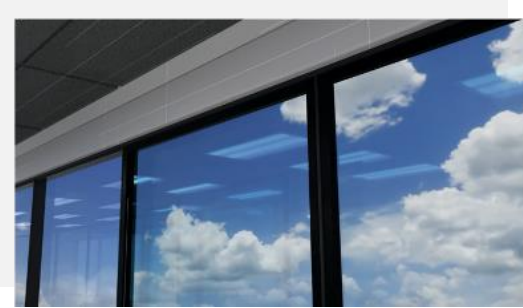
Our Product: Smart Window Inserts for Building Retrofit

- The monthly weighted average data consumed by subscribers in 4Q-22 was 586.7 GB, up 9% from 4Q-21
- The gigabit subscriber tier in 4Q-22 reached 26%, more than double the 12% from a year ago

Accelerating Bandwidth Usage and Speed Tier Growth

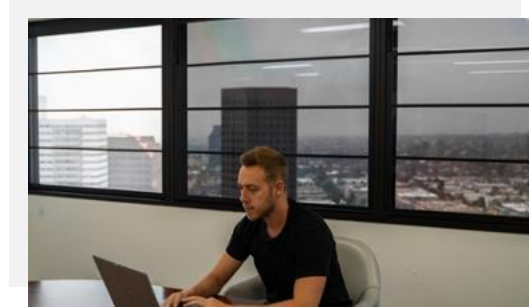


Thoughtfully designed features make Smart Window Inserts the choice for retrofit



High Performance Shade System

- The outdoors look like the outdoors (Neutral color)
- Transition from clear to dark in seconds;
- Simple one touch activation
- Battery Powered with solar charging



Designed for a “no-fuss” installation

- Retrofit existing windows, no wiring needed
- Thin and lightweight
- Quick installation, no fasteners required

Our Mission: Deliver Benefits for Owners, Operators, Tenants, and Occupants



Occupants

- Comfortable working environments
- Feel good knowing that their office is making a difference



Tenants

- Lower electrical and HVAC costs
- Meet company ESG goals and Vision
- Employees - more likely to “come to the office”



Operators

- No more messy and expensive mechanical shades
- Less hassle, fewer headaches
- Lower costs and increase Fund from Operations (FFO)



Owners

- Modernize to create a more competitive offering
- Potentially lowering the vacancy rate and increasing the Cap Rate

Dynamic Tint™, a Proprietary Technology

Competitive Advantage

Great Product Market Fit

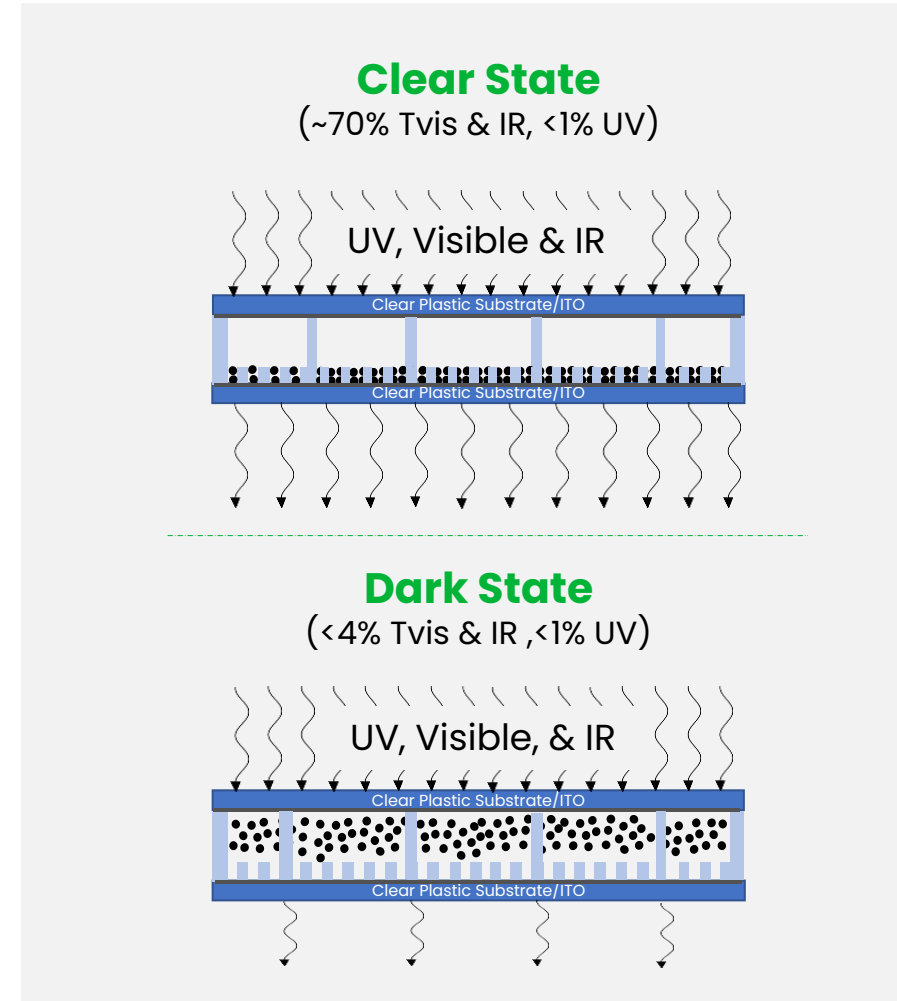
- Use pigments to inherently deliver neutral color
- Changes from Clear to dark in seconds, instead of 10 minutes or more
- Excellent dynamic range
- Naturally, UV resistant

Low Power Requirements

- Fundamentally low power needs enable self-contained units, powered entirely by the sun
- No Hardwiring; No Installation Hassles

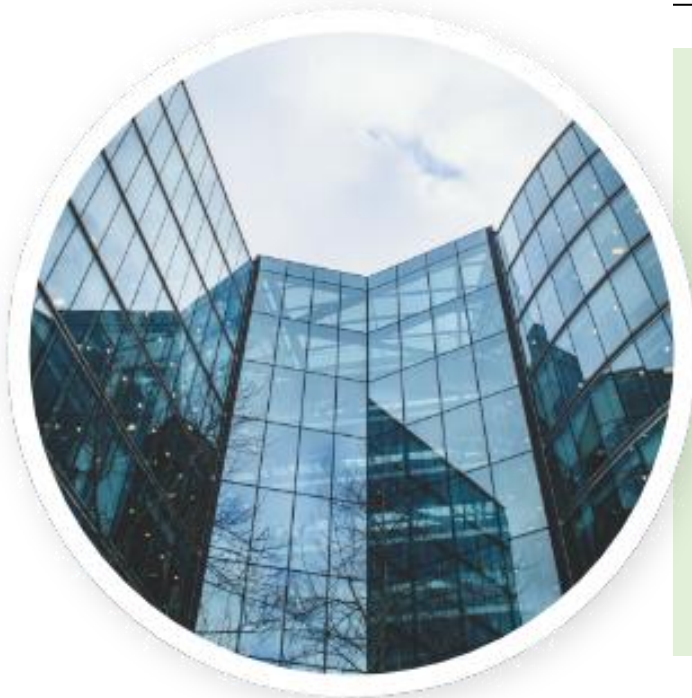
Affordable

- Compared to many competitors, DynamicTint™ is simpler and less expensive.



Today's Focus: US Commercial Windows

Future growth in new geographies and segments



Expansion



Commercial
Windows
(Rest of World)

Additional Segments



Residential
Windows/Doors



Residential
Skylights



Automotive
Windows

Electrokinetic Film Division

Division Leadership Team



Sheldon Davis, Ph.D.
President

An accomplished engineer, business leader, and executive known for his innovative contributions and leadership at Cabot Corporation and Guardian Glass. His expertise encompasses launching and leading teams that have delivered groundbreaking products and generated multi-million-dollar revenues.



Tim Koch, Ph.D.
Chief Technology Officer / Co-Founder

Former HP R&D manager for the electrokinetic film technology at HP Corvallis. Education: MS, Material Science & Engineering, Stanford University; BS, Material Science & Engineering, Cornell University

Crown Fiber Optics Division

WHO WE ARE

As a trusted partner to a diverse range of clients, from Fortune 500 tier 1 telecoms to local municipalities, we deliver state-of-the-art fiber optics solutions.

WHAT WE DO

Crown builds fiber optic networks through horizontal directional drilling as well as micro trenching. Crown has also recently expanded into other utility construction projects like long haul and plowing

THE MARKET

Increasing demand for bandwidth continues to drive fiber deployment. By 2025, its estimated that 55%+ of US homes and businesses will have a direct fiber connection.

Industry Analysis

The effort to deploy high-capacity fiber networks continues to meaningfully broaden the set of opportunities for our industry

- Major industry participants are constructing or upgrading significant wireline networks across broad sections of the country
- High-capacity fiber networks are increasingly viewed as the most cost-effective technology, enabling multiple revenue streams from a single investment
- Fiber network deployment opportunities are increasing in rural America; federal and state support programs for the construction of communications networks in unserved and underserved areas across the country are unprecedented

Macroeconomic conditions, including those impacting the cost of capital, may influence the execution of some industry plans

State of the Art Technology



Our staff is **highly trained and certified by all industry standards**, enabling us to manage any project, large or small, with agile deployment. **Crews are available when you need them.** Crown Fiber Optics boasts an outstanding safety record and always work with a **zero - injury goal in mind.**

Fiber Optics Division: **Services**



Construction and Installation

Underground

- Pot-holing/Day-lighting
- Soft or Hardscape
- Trenching
- Micro-trenching
- Nano-trenching
- Plowing
- Directional Boring
- Missile Boring
- Vault Placement
- Duct Bank Construction
- Fiber/Coax Blowing



Splicing Copper COAX and Fiber

- COAX Splicing
- Loose Tube/Ribbon Fiber Splicing
- Testing & Analysis (OTDR & Power Meter)
- Amplifier Test & Balancing
- Troubleshooting
- Emergency Restoration



Engineering and Project Management Services

- Field Audits
- High Level Design & Route Optimization
- Detailed Engineering
- Permit Drawings
- Pole Loading
- AutoCAD
- GIS
- As-builts
- Inventory procurement and tracking
- Budget Analysis
- Quality Control

Directional Drilling

Directional drilling is a trenchless method of underground pipe installation. Horizontal boring machines drill a pilot hole which is able to enter and exit at predetermined locations and even change direction to avoid underground obstructions and preexisting lines.



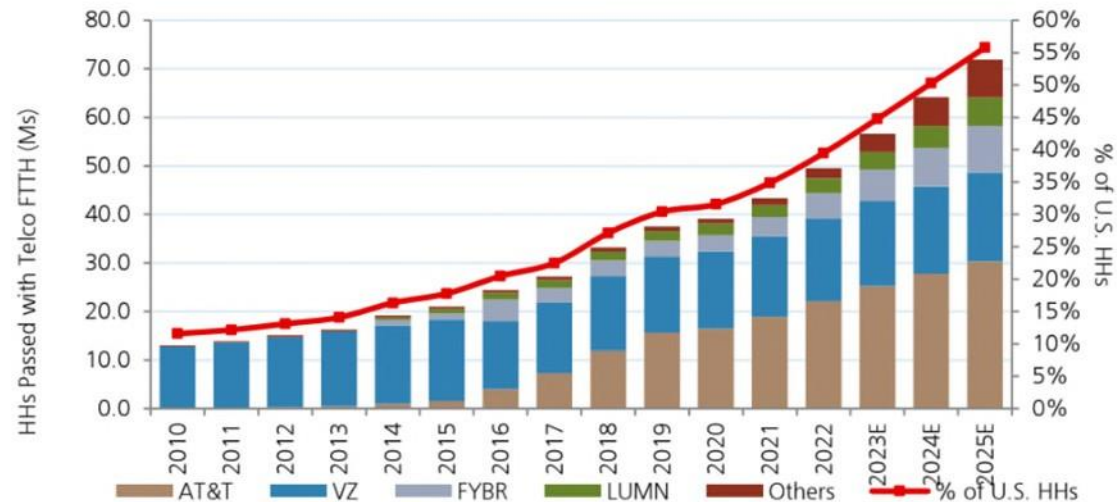
Fiber Optics Division: **Active Projects**

- **Fatbeam Fiber** – Fiber to the home in Boise, Idaho.
- **Verizon** – Fiber network construction Portland, Oregon.
- **Glass Roots** – Long haul fiber plowing Reno, Nevada.
- **Cox Cable** – Fiber to the home Arizona, Nevada, California.
- **Hunter Communications** – Fiber to the home Oregon.
- **Twin Dolphins Club**– Slant well construction Cabo San Lucas, Mexico.
- **Sequoia**– Long haul fiber BNSF New Mexico to Texas.

Fiber Optics Division: Strong Tailwinds for Deployment

Increasing clarity around US telco fiber build plans

Households Passed with Telco Fiber



Source: UBS Global Research and Evidence Lab, "US Cable and Telecom Services", 27 February 2023 © UBS 2023

- Increasing consumer demand for bandwidth continues to drive fiber deployments
- New fiber passings estimate of ~7.5 million for 2023 compared to ~6.6 million in 2022, representing the fastest year for fiber deployment on record if executed as planned
- By 2025, its estimated that 55%+ of US homes and businesses will have a direct fiber connection, vs. approximately 39% at the end of 2022

Fiber Optics Division: Executives Are Talking

Increasing clarity around US telco fiber build plans

“

Firstly, building 1.3 million fiber passings this year will mean we will have delivered by the end of the year exactly the build ambition that we set out at emergence 2 years ago. And secondly, we are actually accelerating our build this year...The way to think about our build ambition of 1.3 million homes passed this year is at a minimum build from here on. We think we've got plenty of operational gas in the tank to further accelerate if and when the conditions are ready for that.

”

- Nick Jeffery, CEO
Frontier Communications, February 2023

“

So first, overall, we had always guided to 30 million-plus homes by 2025. That remains our guidance...And all of that doesn't include the money that we expect to secure from the government as part of the overall broadband infrastructure bill. And it didn't include the 1.5 million we've already announced in our Gigapower partnership with BlackRock. And in success, I would expect that to also be something we expand upon if it proves out as we expect.

”

- Pascal Desroches, CFO
AT&T, February 2023

Highly Skilled & Experienced Leadership



Doug Croxall – Chief Executive Officer / Chairman of the Board

Founder, CEO and Chairman of Marathon Patent Group from 2012 until 2017. Doug has invested in patents and technology-related companies since 1998. Education: BA Purdue University; MBA Pepperdine University.

Joel Krutz – Chief Financial Officer

Former CFO of ViacomCBS Networks International, a \$2.0 billion division of the global multi-media enterprise. While at ViacomCBS, Joel has been developing and leading strategic financial organizations, around the world, for over two decades.

Tim Koch – Chief Innovation Officer

Former HP R&D manager for the electrokinetic film technology at HP Corvallis. Education: MS, Material Science & Engineering, Stanford University; BS, Material Science & Engineering, Cornell University

Sheldon Davis – President of Film Division

Customer and value-chain-focused R&D executive who has innovated and guided the development of ground-breaking products and processes that have delivered multi-million-dollar revenue and profit contributions to leading global organizations.

Corey Boaz – President of Construction

Worked closely with several of the largest corporations in the oil and gas, renewables, telecommunications, and heavy civil construction sectors. He has successfully owned, operated, and sold multiple construction businesses, and is highly respected in the horizontal directional drilling industry. He is also a regular speaker on industry expert panels throughout the United States and abroad.

Robert Vandal – Chief Technology Officer

Three decades of experience in product development, process development, and manufacturing operations, while spearheading pivotal advancements in the glass industry. He recently served as the Senior Director of R&D at Guardian Glass LLC, contributing significantly to key developments such as tempered vacuum insulating glass.



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