

An aerial photograph showing a white lattice tower for power lines situated in a lush green forest. To the left of the tower is a calm pond with a greenish tint. A dirt path leads to the tower. The word "dendrite" is overlaid in white text at the top center.

dendrite

Grid Maps to Guide Renewable Power Development

Chris Cogan | Founder | chris@dendriteconsulting.com

The Power Developer's Struggle

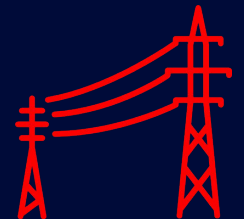


For 3-6 months they:

- ✓ Scout site locations
- ✓ Perform due-diligence
- ✓ Negotiate land agreements

To eventually find out...

- ✗ There is no cost-effective point of interconnection (POI)



Problem

For power development companies, it is unclear where the grid has enough transmission capacity to cost-effectively interconnect new power plants, now or in the future.

80%

of projects that request for grid interconnection fail to get built



\$421M

wasted annually on projects that don't succeed

Solution

Software that forecasts where new power plants can cost-effectively interconnect to the electrical grid, helping power developers make significantly more informed decisions while saving time and money.



2x

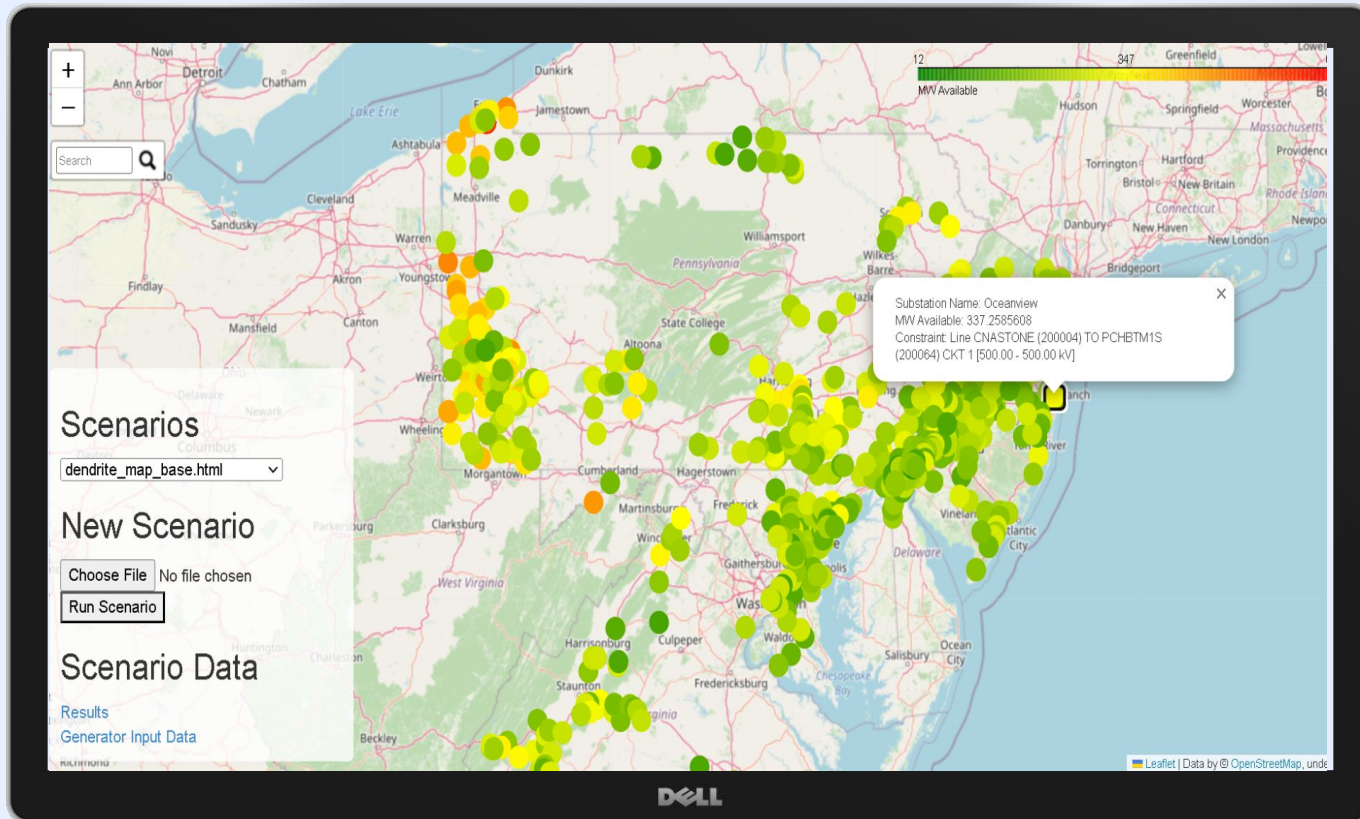
increase in project success rate

\$241M

In development savings

dendrite

A **map & analysis** tool that guides renewable power development.



- ★ Shows interconnection capacity and cost at every POI
- ★ Is Accurate, Strategic, Customizable, and Up-to-date
- ★ Leverages AWS S3 & EC2 to achieve scale and reliability

**Product prototype depicted. Tool to be beautified & enhanced.*

Founder



Chris Cogan, PE
Founder, CEO



As a licensed professional engineer, Chris founded Dendrite Consulting in 2017.

With Dendrite he has:

- Developed proprietary software to automate, iterate, and map interconnection studies
- Supported **20+** power development companies with interconnection studies, analysis, and strategy in **every** market in mainland US
- Helped guide the development of **100+** new power projects



Why Now?

1.

Annual investment in renewable power is projected to double in the next decade from **\$40B** to **\$80B**



2.

Advances in cloud-based computing allow interconnection studies to be accurately modeled at scale



Market



The US contains 10 primary transmission planning regions and more than 55,000 potential POIs.

Each region requires a unique methodology for evaluating interconnection capacity.

Business Model

NODAL

\$5000/POI

Get Started

Evaluate interconnection capacity as needed

Includes:

- ★ Access to Grid Map
- ★ On-demand interconnection capacity results for selected POIs
- ★ Two forecast scenarios:
 - without queue
 - with queue

NODAL+

\$10,000/POI

Get Started

Strategic interconnection studies where you need them most

Everything in Nodal, plus:

- ★ Dendrite proprietary interconnection capacity forecasts

REGIONAL

\$100,000/year

Get Started

Interconnection capacity at every POI in the entire region

Everything in Nodal, plus:

- ★ Interconnection capacity results for all POIs in your selected region

STRATEGIC

\$200,000/year

Get Started

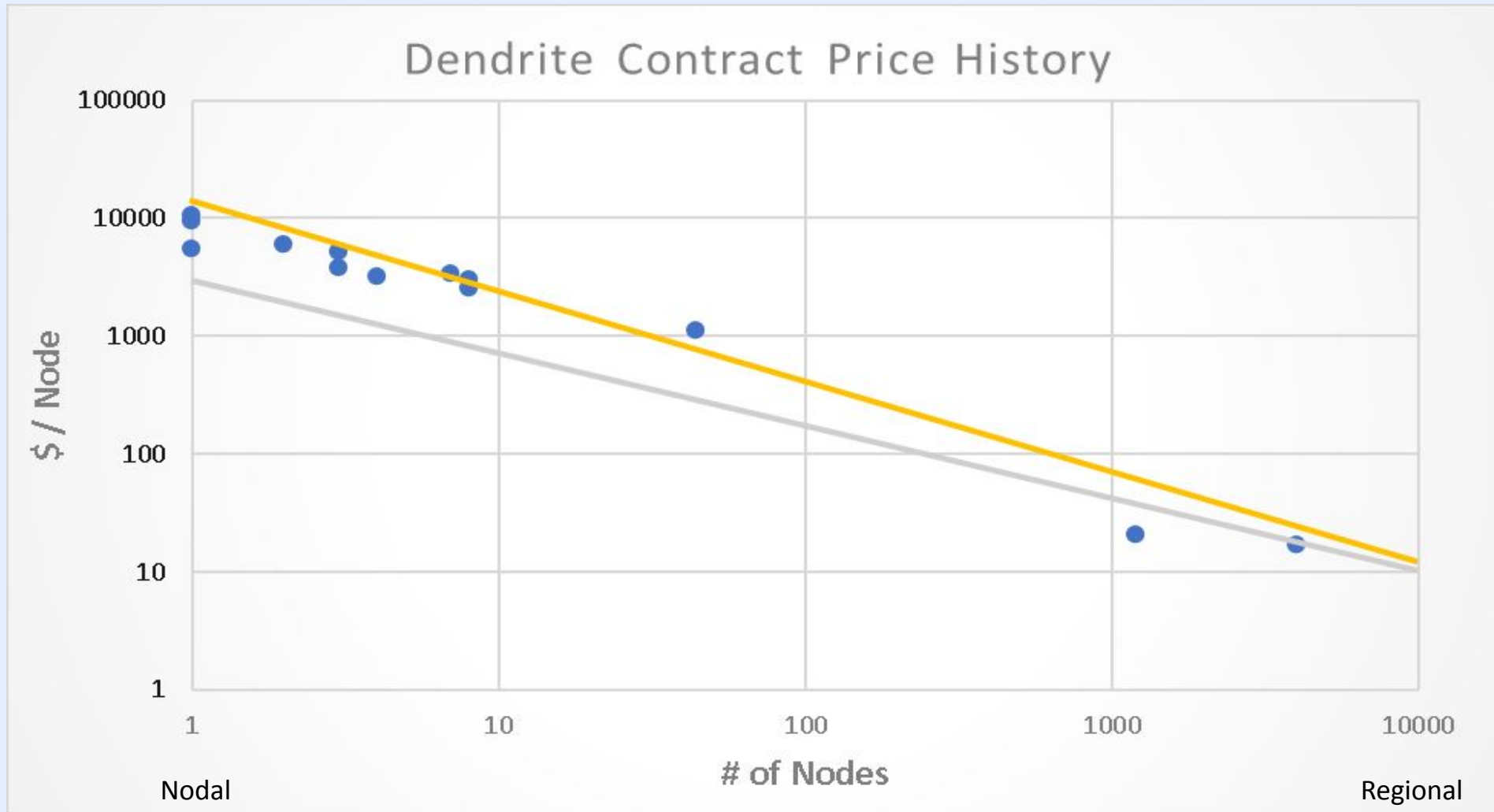
Strategic interconnection studies at every POI in the entire region

Everything in Regional, plus:


- ★ Dendrite proprietary interconnection capacity forecasts
- ★ Custom scenario builder
- ★ On-demand scenario simulation


Price Validation


Dendrite subscription prices are based on past contract work completed



Competitive Advantage

 **Pay as you go pricing**
 paying per POI is affordable for all company sizes

 **Proprietary forecasts**
 give users strategic insight by leveraging Dendrite's in-house analytics

 **Customization**
 allows users to create their own interconnection capacity forecasts

	Dendrite	Nira	Orennia	Anderson Optimization	Ventyx	Traditional Consultant
Accurate	✓	✓				✓
Immediate	✓	✓	✓	✓	✓	
Affordable	★					✓
Strategic	★					
Customizable	★					

Investment

\$1.7M

Next 12 Months of Operation

Use of Proceeds

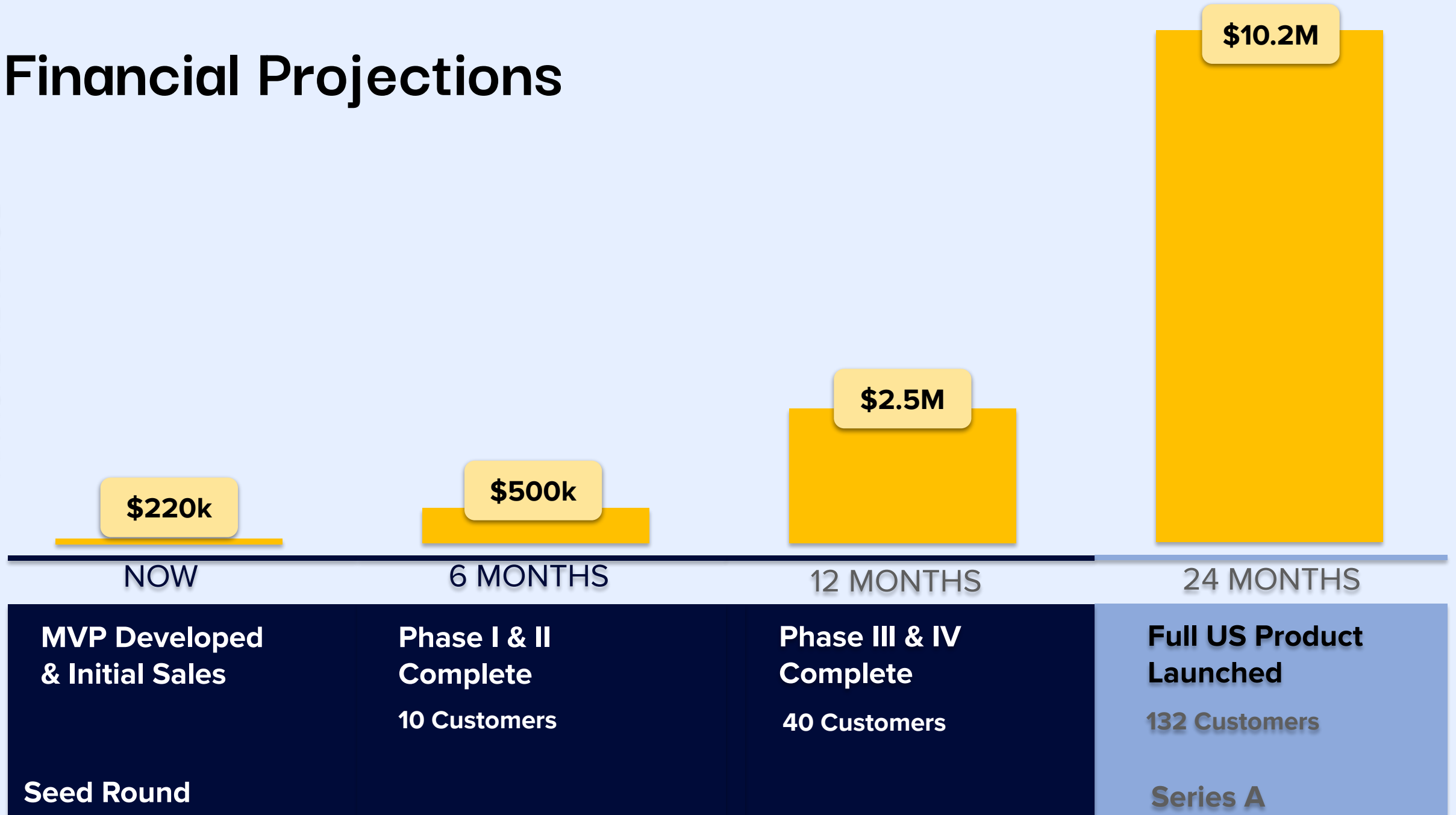
- Productize dendrite's proprietary software
- Hire talented personnel
- Onboard initial customers

Milestones

- \$2.5M ARR in 1 year
- 40 customers onboarded
- Product rolled out for phases I-IV

Financial Projections

ANNUAL REVENUE



5-Year Vision

★ Target Customer Growth

- ISOs/Utilities
- Regional Planning Entities
- Hedge Funds (energy/FTR traders)

★ Additional Products

- Market Forecasting
- Planning Tools
- Integrated Software

★ Tech Integration

- Machine Learned Modeling
- In-House Grid Software Development



\$150M+

Thank you



Key Concepts

