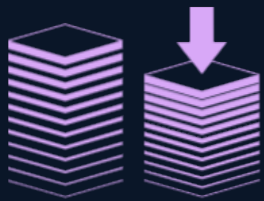


Product presentation

March 2023

Data is the new oil.

But, refining always wins!



Lightscline

Data Reduction software

Company purpose

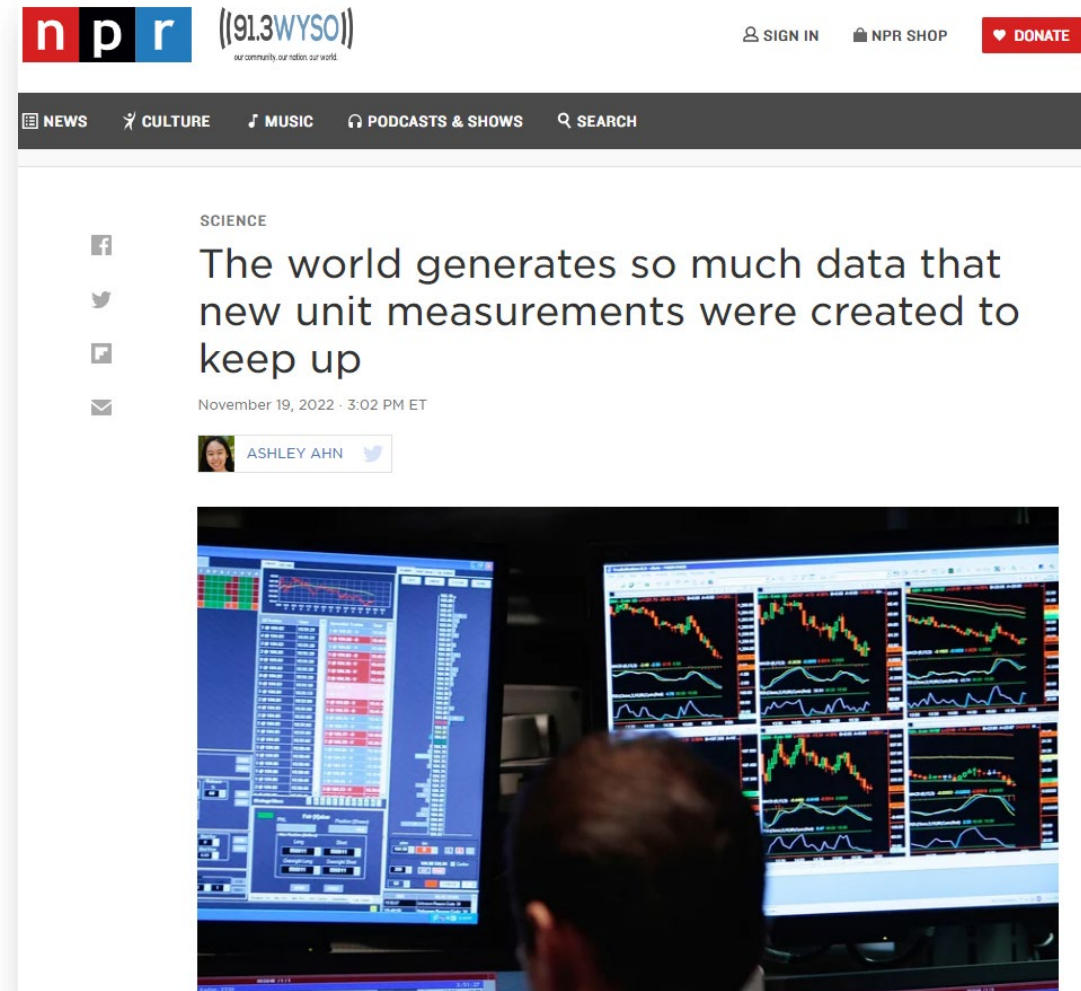
“Lightscline’s AI software enables engineering teams to achieve up to 90% cost reduction in sensor data analytics”

Current approaches collect all the raw data but discard most of it during analysis. Our counterintuitive approach collects 2-10x less data upfront, resulting in significant cost savings in the power, compute, storage, transmission, and latency in digital transformation applications.

Problem

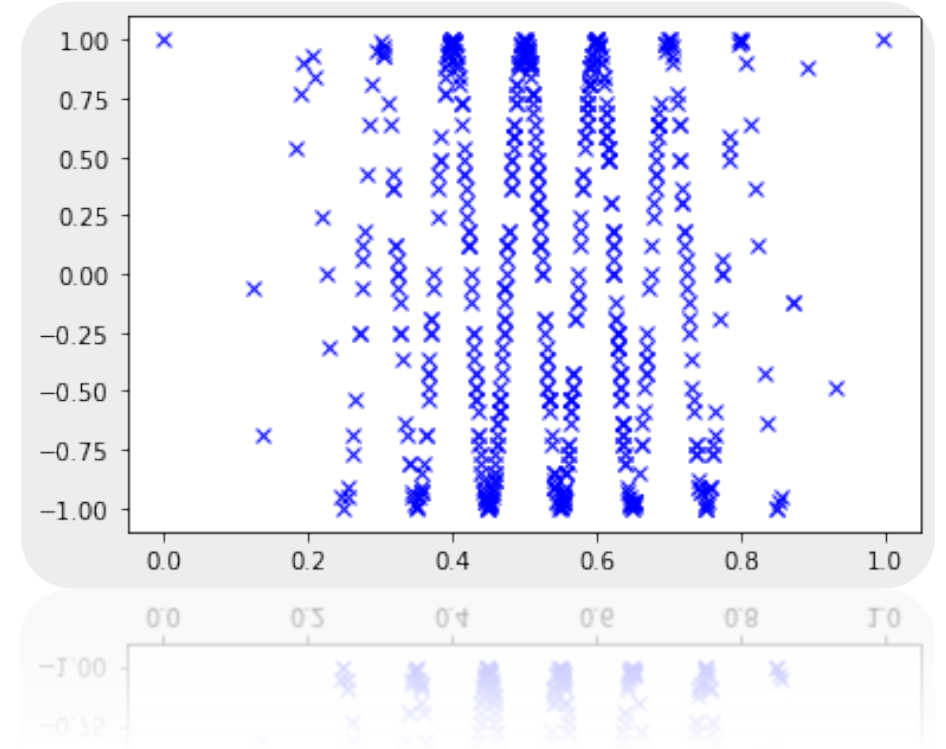
- Sensor data generation is about to reach **73+ Trillion GB by 2025** as new units of measurements **ronna** (10^{27}) and **quetta** (10^{30}) were recently introduced to deal with the data deluge.
- **Contemporary** sensing, data representation, and analysis techniques are **not designed** for this **scale** of data.

In 1890s: Many collecting more crude oil.



Solution

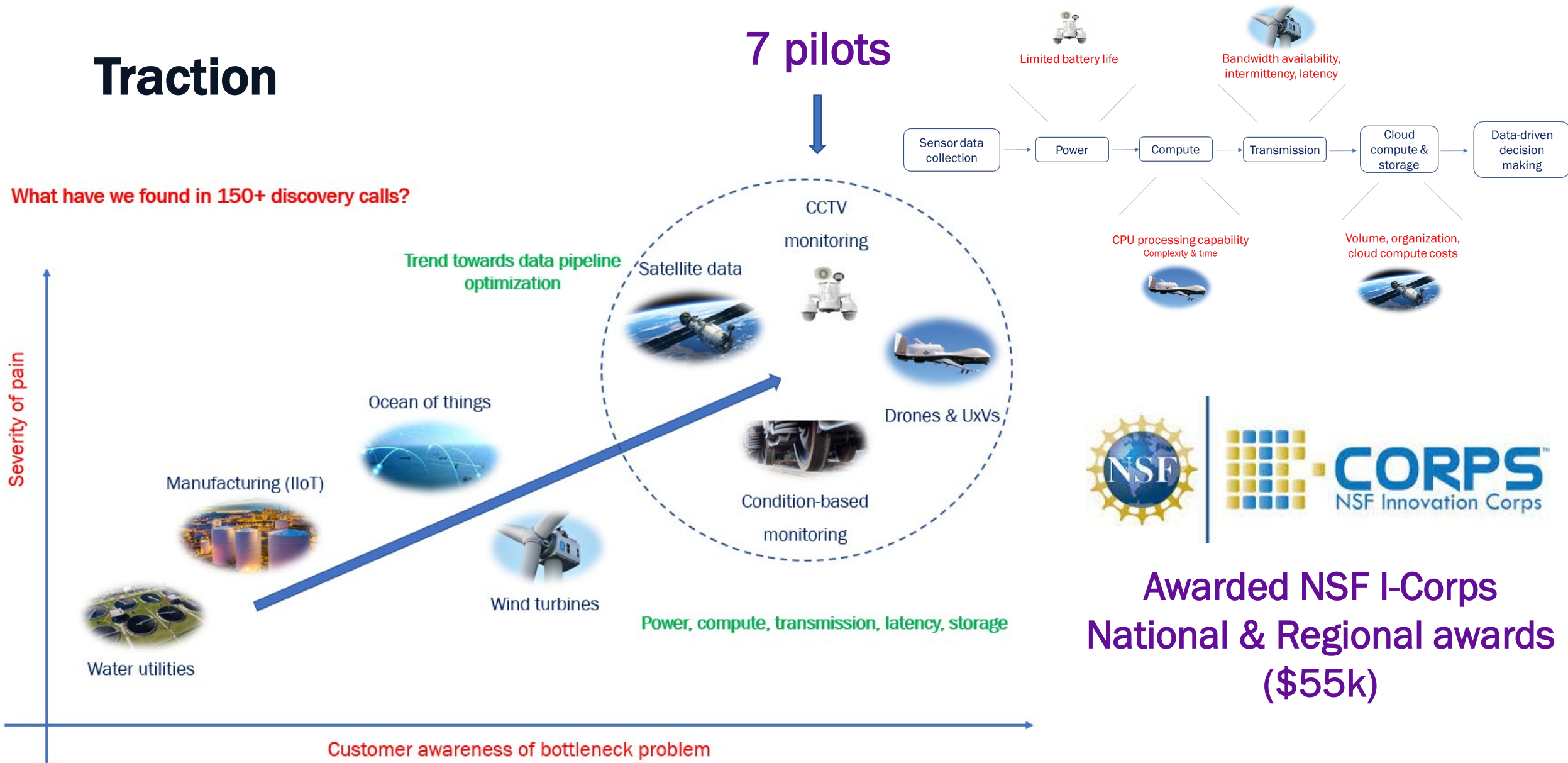
- We're building **data-reduction software** for decision making by collecting **2-10x** fewer data based on our patent-pending **AI-based sensing** technology.
- **2-10x** fewer data significantly reduce the **power, compute, storage, transmission, and latency** in digital transformation applications.
- Example: **7x** lighter, energy efficient, & faster **edge-AI model** for fault classification in vibration data.



In 1890s: A few perfect refining! 🚰

Traction

What have we found in 150+ discovery calls?



Awarded NSF I-Corps
National & Regional awards
(\$55k)

Product

AI software

[Try it now!](#)

Get Started with Lightscline !!

Step 1

Data Ingestion

Collect and prepare sensor data for processing.

Step 2

Neural Inference

Our proprietary algorithms extract information from sensor data.

Step 3

Performance Metrics


Quantifying our improvements compared to a contemporary approach.


[Video demo](#)

Lightscline


Product demo 1: Bearing fault classification

<https://lightscline.com/>







Electric motor



Pumps & submersible pumps



Paper machines & conveyors

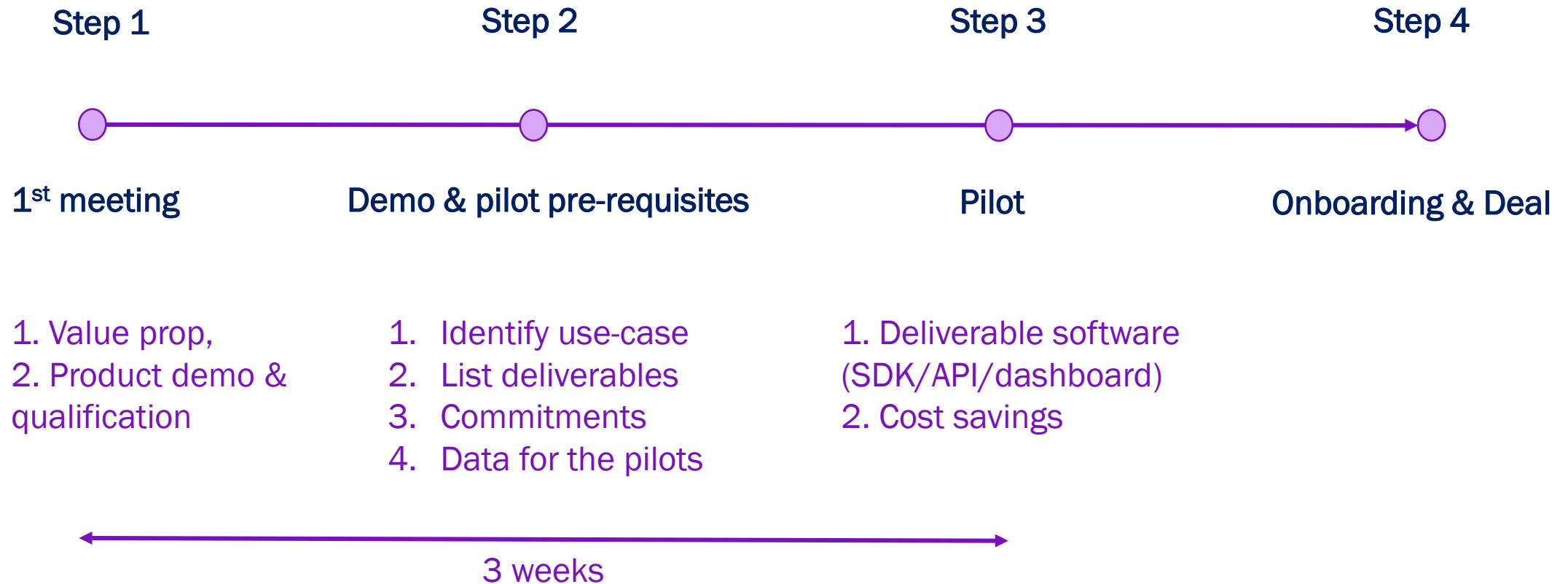


Wind turbines

Intersection of the following TAMs:

1. Edge computing market: [USD 44.7 billion](#) (2022)
2. Industrial IoT market: [USD 326.1 billion](#) (2021)

4-step customer journey



Financials: pricing

Offering	Edge only	Cloud only	Turnkey pipeline
License (/asset)	\$20k		
Recurring (SaaS) fees: Analytics & maintenance (/GB)		For enterprise only, contact us on info@lightscline.com	
Contracts (1-5 years):			

Financials: pricing

Mechanism / Software	Edge only	Cloud only	Turnkey pipeline
One-time fees: Training & onboarding (/asset)	Yes	Yes	Yes
License (/asset)	Yes	Yes	Yes
Recurring (SaaS) fees: Analytics & maintenance (/GB)	No	Yes	Yes
Contracts (1-5 years):	Yes	Yes	Yes