

Teaching machines to predict using 10% important data

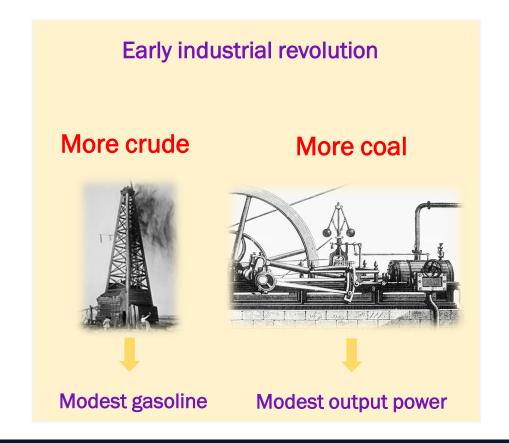
# **Problem**

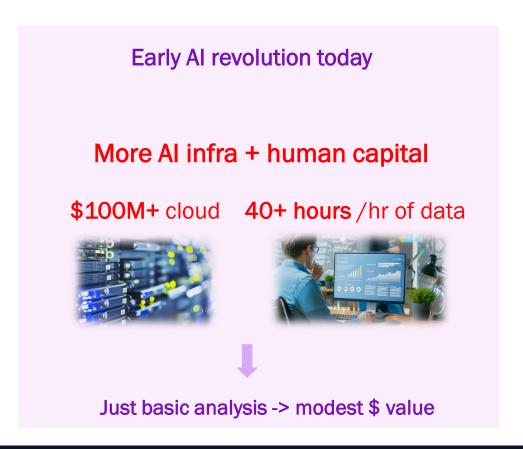
#### Prediction efficiency (ROI) on real-world sensor data is getting WOISE

More input \$ & time



Modest output value

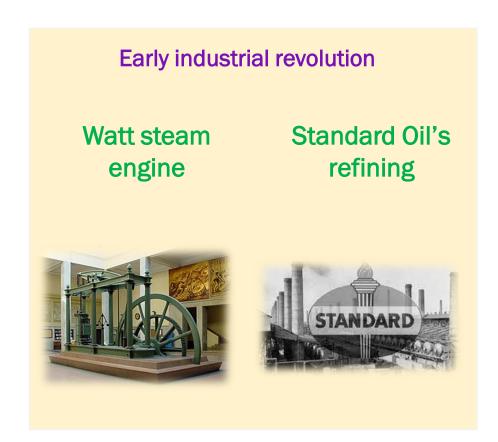






# **Solution**

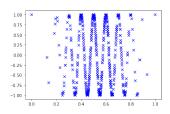
Leverage AI to build a 10x better refining process (predictions)





# **Solution**

# Lightscline's Al learns to predict using 10% data reducing 90% of Al infra & human time & costs



>10x faster and energy-efficient end-to-end predictions as we only analyze 10% of raw data



10x more gasoline from same amount of crude



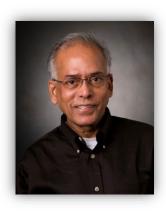
# **Team**

# Manufacturing Engineering 30 UNDER 30 HONOREE

# Ankur Verma Co-Founder & CEO, 30 under 30 - Society of Mfg Engg, PhD Candidate, Ex-Fraunhofer, GM R&D



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Prof. Soundar Kumara
Co-Founder & Chief Scientist,
Allen E. Pearce and Allen M.
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Manufacturing



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Founder at Videon,
Director & Portfolio Manager
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Elizabeth Hay
Director, Launchbox
HappyValley, Penn
State

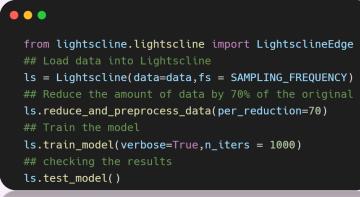


# **Product**

**Getting started** 

#### Core IP

25k lines + 4 years R&D into 4 lines of code



- ls.test\_model()
- Setup within 10 mins
- On-prem / cloud hosting
- No data sharing required

#### Product roadmap

#### **Distribution**

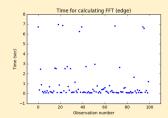
Lightscline cloud



Machine Learning Operations (MLOps)







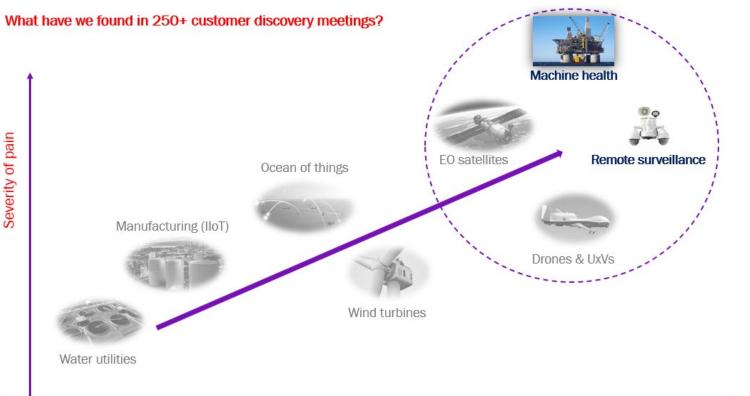


### **Traction**

#### \$125k Lol, F150 report, 10+ trials



\$55k - National & Regional awards





People's Choice @ Penn State Venture & IP Conference



\$25k from Microsoft (potential to \$150k)





**BOSCH** 

Customer awareness of bottleneck problem

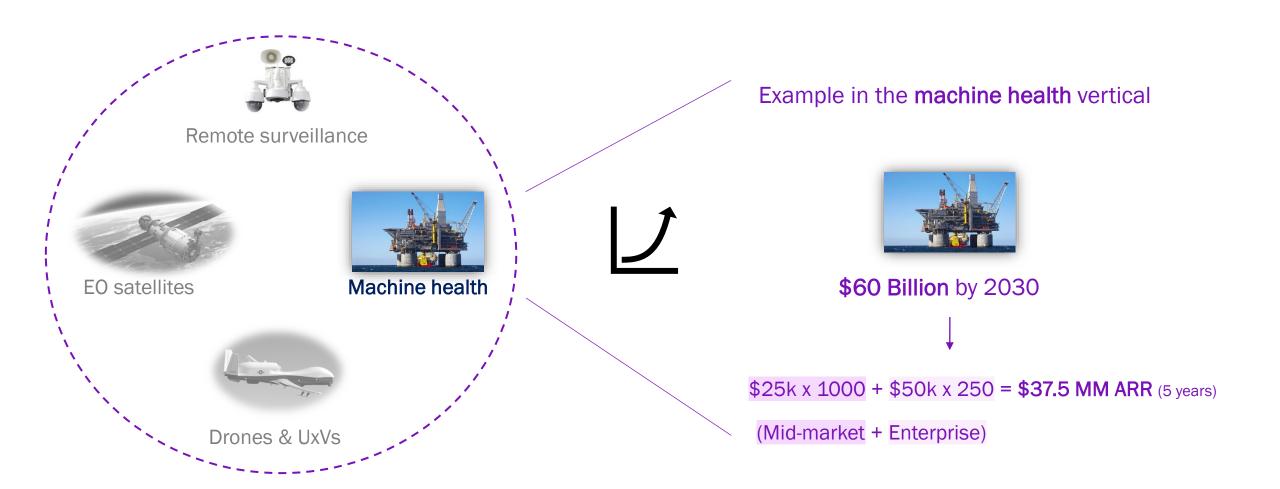
**DEEPOCEAN** 



\$5k - Runners-up in TechCelerator

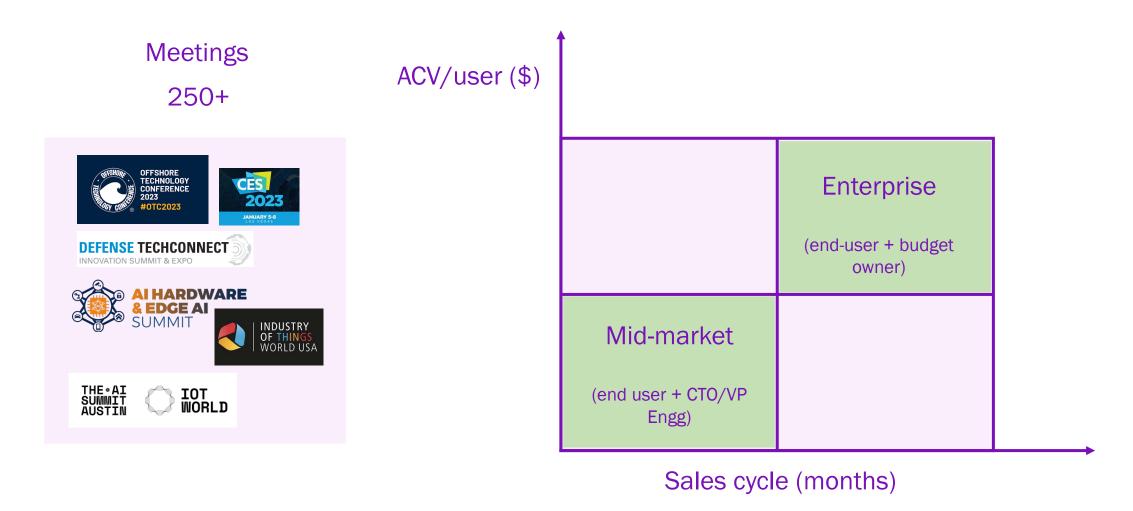


# **Market size**





# **Go-to-Market strategy & pipeline**





# Revenue model

#### Annual user license

Mid-market	Enterprise
\$25k	\$50k

Example: 10 users (DS/MLE) -> \$1.2 MM (people) + \$1.3MM (infra) = \$2.5MM value

80% cloud cost reduction!



# **Competition**

	Lightscline Data Reduction software	NEURAL MAGIC	LUMINOUS	ZIGHTMATTER	FEMTÖSENSE	
Ease of use and integration	Yes	Yes	No	No	No	
Compounding advantage (10x)	Yes	No	No	No	No	
10x cost reduction	Yes, only analyze metadata	No	No	No	No	
Product verticals	Vibration, sound, image, video, energy, DFOS	Vision & NLP focused				
Minimum deployment size	1	1 ~1k				

