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# The horse is here to stay, but the automobile is only a novelty — a fad.

 President of the Michigan Savings Bank advising Henry Ford's lawyer not to invest in the Ford Motor Co., 1903



# Television won't last. It's a flash in the pan.

- Mary Somerville, pioneer of radio educational broadcasts, 1948



# There is no reason anyone would want a computer in their home.

- Ken Olson, President, Chairman and Founder of Digital Equipment Corp. (DEC), the maker of big business mainframe computers, arguing against the PC, 1977



# I predict the internet will soon go spectacularly supernova and, in 1996, catastrophically collapse.

- Robert Metcalfe, founder of 3Com, 1995



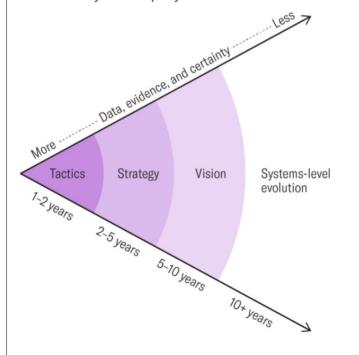
A good hockey player plays
where the puck is.
A great hockey player plays
where the puck is going to be.



# Disruption

# A Futurist's Framework for Strategic Planning

Instead of arbitrarily assigning goals on a quarterly or yearly time line, use a cone instead. First identify highly probable events for which there's already data or evidence, and then work outward. Each section of the cone is a strategic approach, and it encompasses the one before it until you reach major systems-level evolution at your company.



**▽ HBR** 

Source: Amy Webb, Future Today Institute







# AI + Data Insights 2025: Global AEC Industry Report



BSTGlobal.com/AIReport

# **About the Survey**

38
Questions

Continents

**1** St AEC-Focused Survey on Al





54%

46%



United States

Canada

Australia

Europe

Africa







### **Executive Overview**

The rapid advancement of artificial intelligence technologies has propelled the world headfirst into the Fourth Industrial Revolution — the Data Revolution. For the AEC industry, AI brings promising capabilities for innovative design, more sustainable practices, expedited workflows and beyond. It also introduces a broad set of challenges, known and unknown.

The insights in this report provide a perspective on the current state and future impact of AI and data advancements specific to the AEC industry.



# Importance & Adoption of Al

Firms believe AI will transform the AEC industry, but few are ready to embrace it.







Only about **20%** of respondents claimed readiness at a mature or advanced level.





Al is recognized as a key to profitability, but many firms lack a clear integration strategy.



**1/3** of respondents revealed that their AI strategy is **not** integrated with their business strategy.



Most respondents anticipate an increase in their firm's Al investments within the next year.





# Applying the right technologies in high-impact areas is vital to proving Al's value.

Top Areas Expected to See Al-Driven Revenue Gains



### **Project Design & Delivery**

Almost **90%** of respondents specified project design and delivery as one of the top three areas with the highest potential for growth due to AI.



### Marketing & Sales

At least **75%** of respondents included marketing and sales in the top three areas where they expect to see revenue growth due to Al.



# Data Governance & Security

Experimental technologies can leave firms open to security threats, so balancing eagerness with caution is crucial.

### **Data Security**



Nearly all respondents highlighted security and privacy as high-priority risks of GenAl usage, specifically:

- Cybersecurity vulnerabilities
- Intellectual property infringement
- Irresponsible, unsafe and unethical use
- Personal/individual privacy concerns





Leadership can ease displacement concerns through change management, upskilling and reskilling.



Most respondents **do not** expect firm size to change much after Al integration.

### **Believe** it or Not...

**Only 5%** of respondents predict that some roles will be replaced by Al technology in the future.







**Tembi Hommes**Global Chief Data
Officer

**ARUP** 



We see a generational shift in how we solve problems. All is part of that shift — speeding up workflows and letting us tackle more complex challenges.















It's a pivotal moment for humankind, and the reason is that many things we thought were impossible are now possible.





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BSTGlobal.com/AIReport

# BST Global's Al Summit 2025

























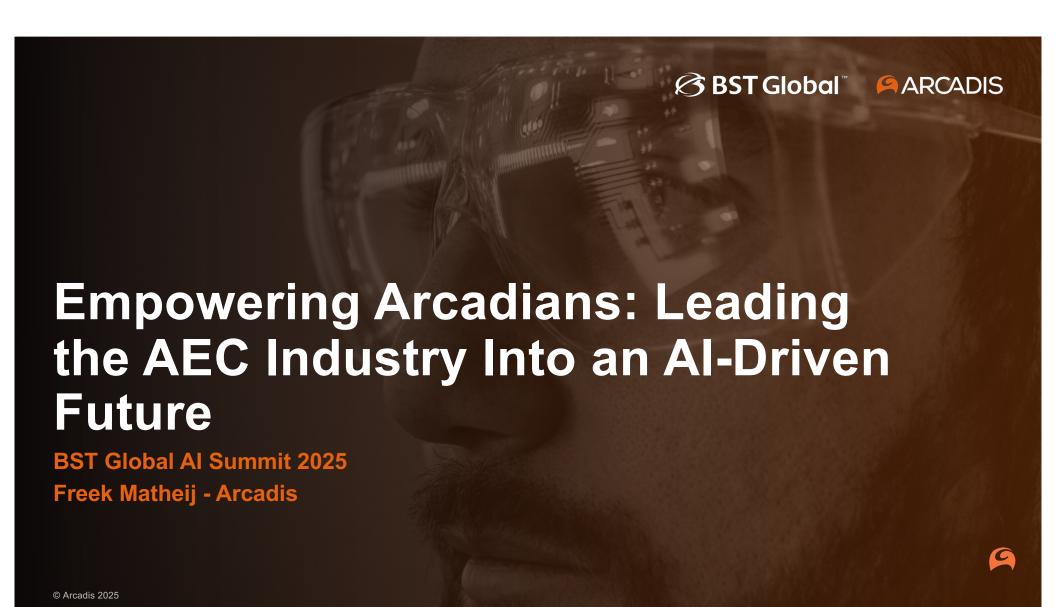


# **Voice of the Client**



# 3 Megatrends







# ArcadisGPT: Embedded Intelligence at Scale



Time savings of 3.5 hours per user per week



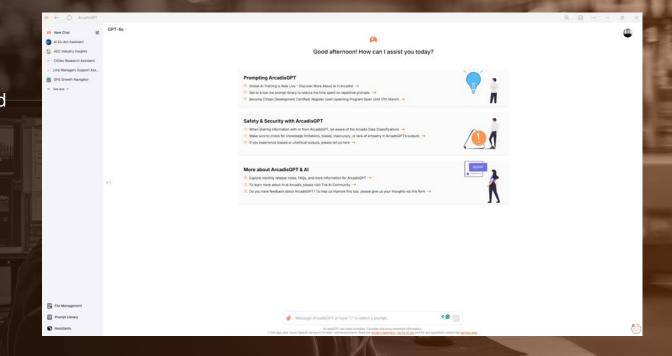
2.5M+ AI-Platform powered interactions in the last 30 days



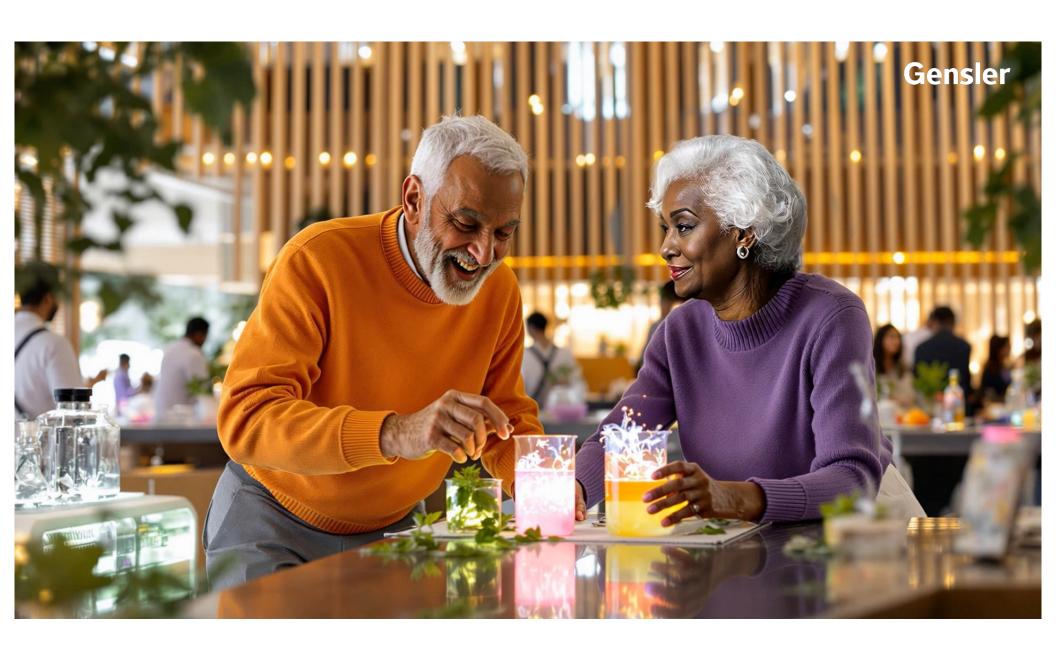
ArcadisGPT reaching 15,000+ unique users during last 30 days

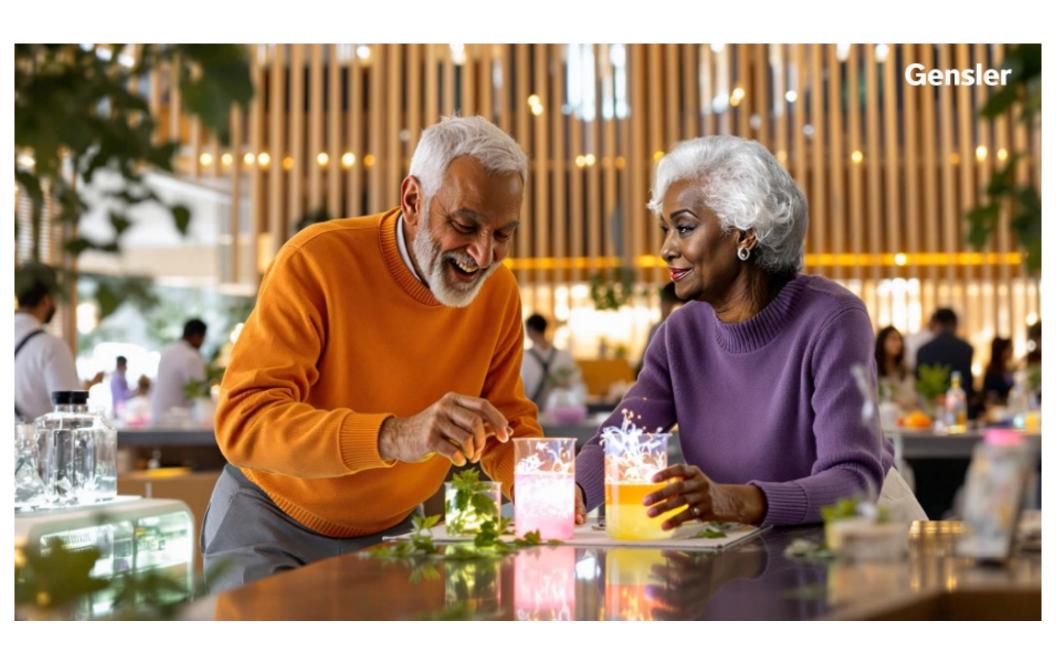


Embedded within our Al training program









# **ARUP**

Designing for a Changing World: The Role of Data & Artificial Intelligence

## **ARUP**

# Project XYZ Lessons on Data and AI Integration

- ✓ All data comes from people in a context understand the Data Generation Point
- ✓ Optimize the collection, flow and completeness of data before analysis. Use AI to Optimize or Improve Quality of Data!
- ✓ Automate everything you can and iterate the design
- ✓ SaaS Cloud technology enables scalable large data processing and application of Machine Learning
- ✓ Experience feeding into Industry Research project on modernizing 'Observational Method'

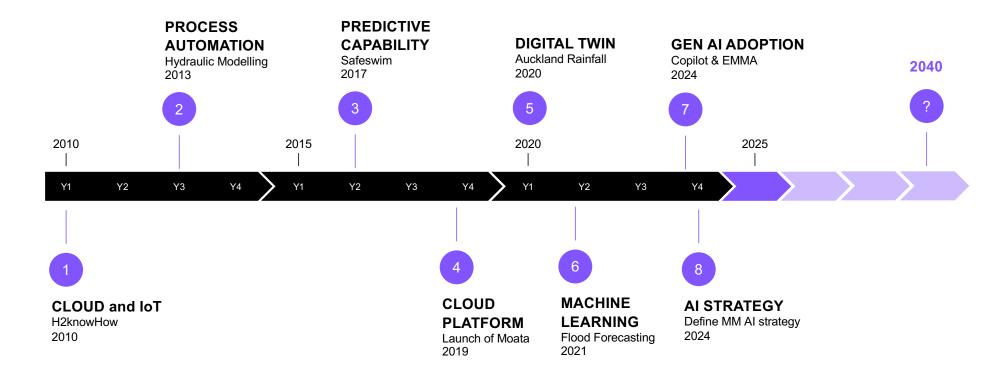




# PAVING THE WAY FOR RESPONSIBLE AI: OUR JOURNEY & VISION



## **My Al Timeline**





# Data Alchemy: Turning AEC Challenges Into Opportunities With Data

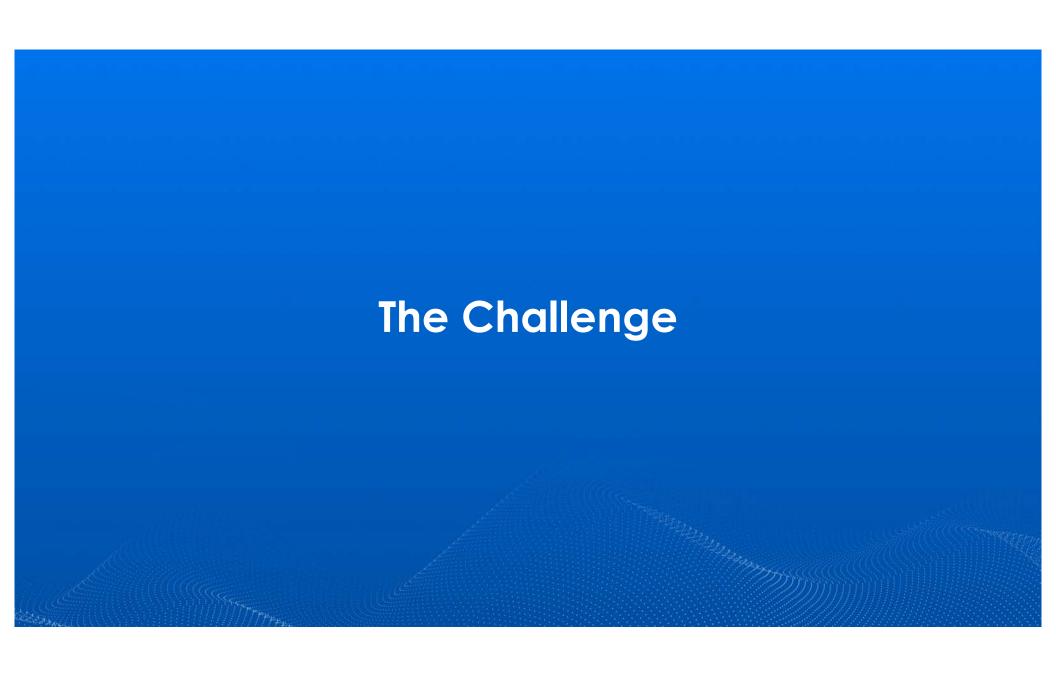
→ Paul Murphy, CIO

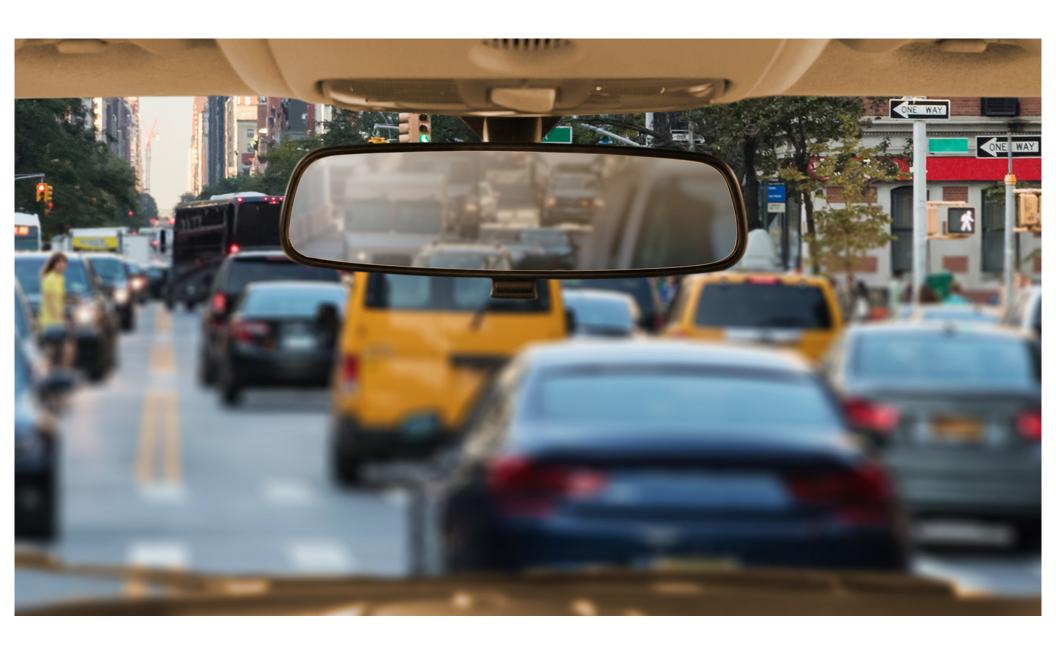


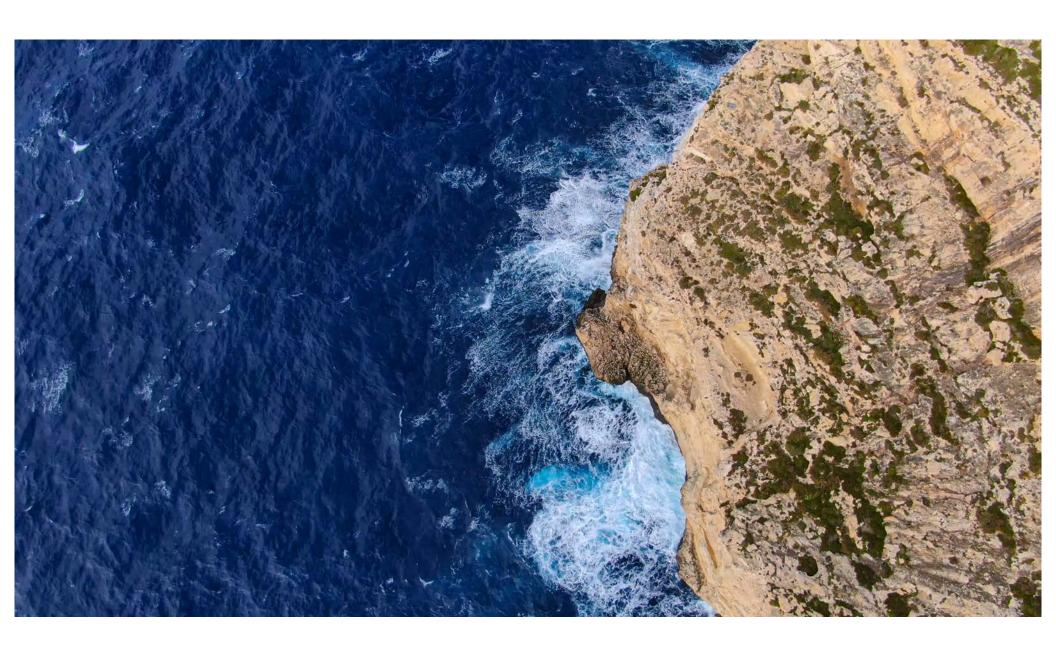




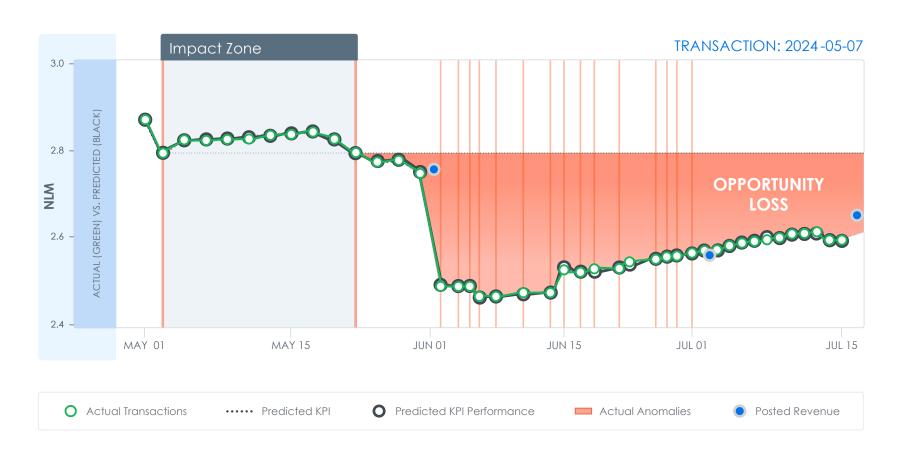








## Predict, Detect & Optimize Simulation











#### **Prediction Summary** ①

Prediction Date - Feb 22, 2022



0.6 drop in NLM is predicted for your projects in the next 30 days. Learn more

### My Projects With Predictions

Q Find Project







This project is predicted to be negatively impacted by 43,000 USD in the next 30 days.











PR-MBS
Marina Bay Sands

This project is predicted to be negatively impacted by 15,000 USD in the next 30 days.

Today



X

### Burj Al Arab Hotel

Jumeirah Group

This project is predicted to be negatively impacted by 30,000 USD in the next 30 days.

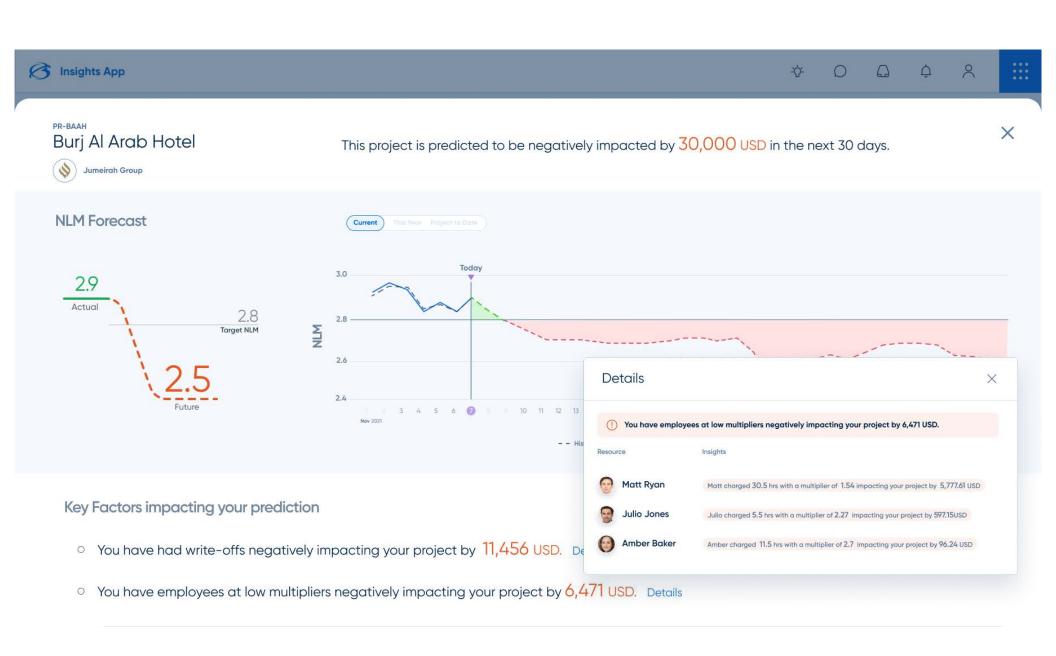






#### Key Factors impacting your prediction

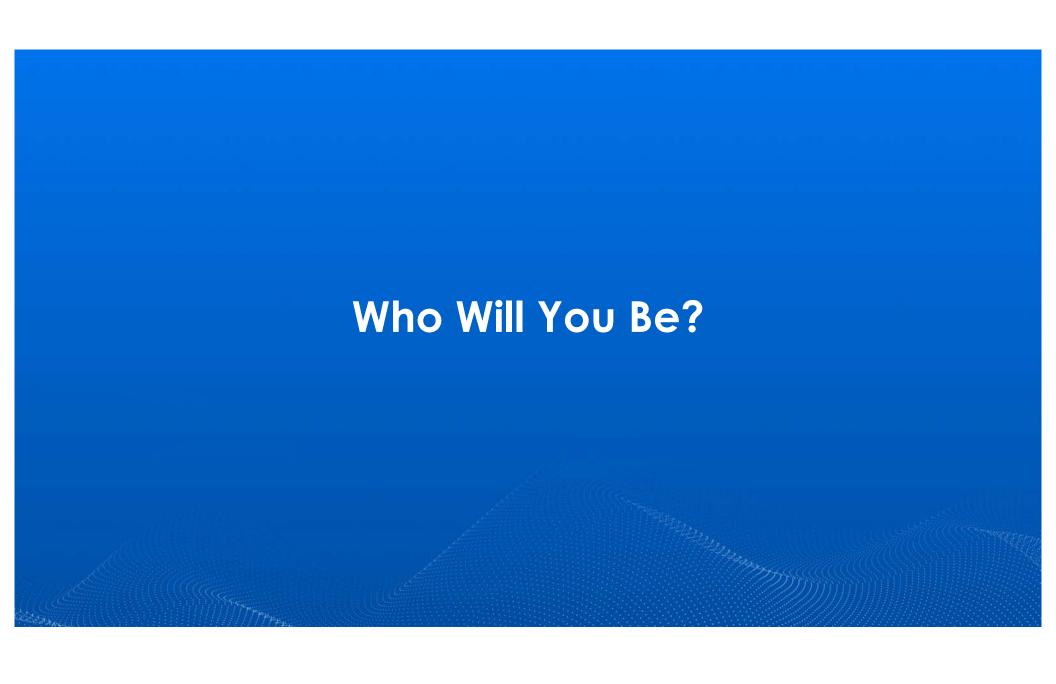
- You have had write-offs negatively impacting your project by 11,456 USD. Details
- You have employees at low multipliers negatively impacting your project by 6,471 USD. Details

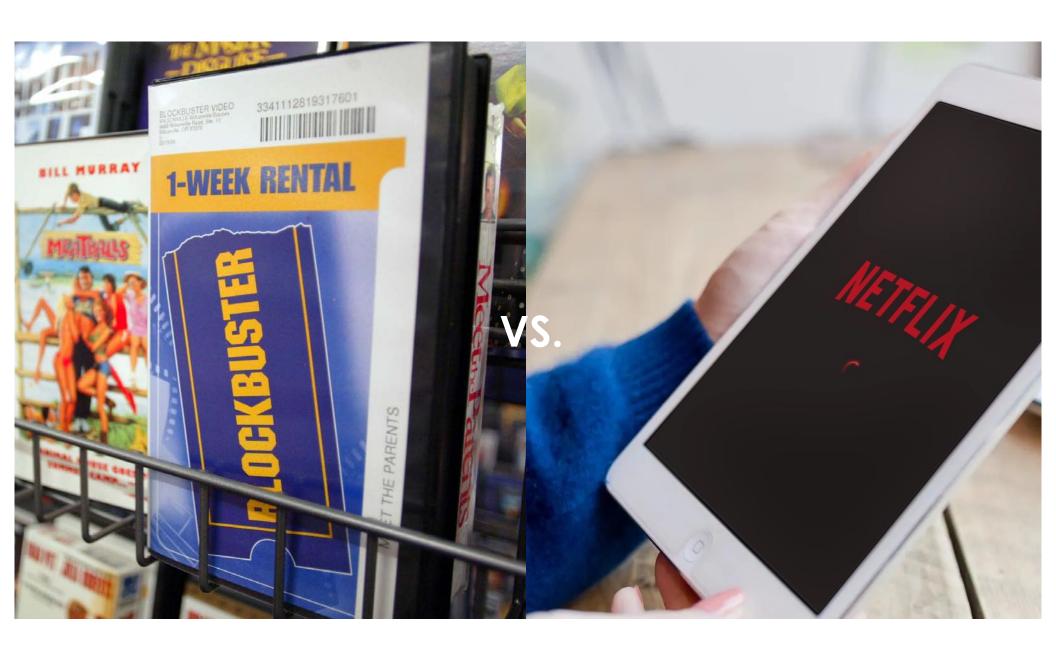


BST Insights

BST Deltek





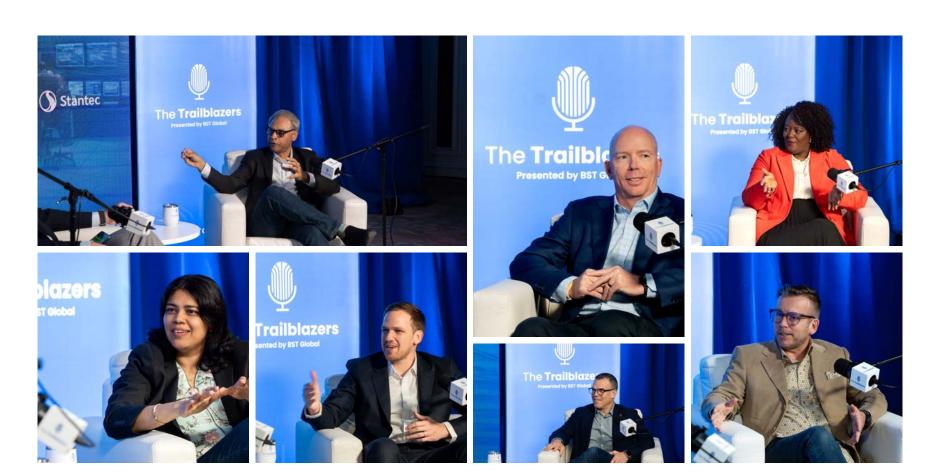






## **Think Different**





BSTGlobal.com/Podcast/



## **Questions?**



# Thank you!

