

# Deja Vu & Vuja De: A Futurist Takes a Backwards Stroll into Tomorrow

Jack Uldrich  
2014 CAS Centennial Celebration & Annual Meeting  
New York City  
November 10, 2014







1951



THE NEW YORK  
HOTEL

The New York  
HOTEL

ROBEY & CO.  
BOUTIQUE

PALACE CAFE

ROEGER  
1914



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RE SALES FALL  
UTX 118.07 WALE  
19.45 AUG0 13.67 WALEP

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ONATA IS HERE







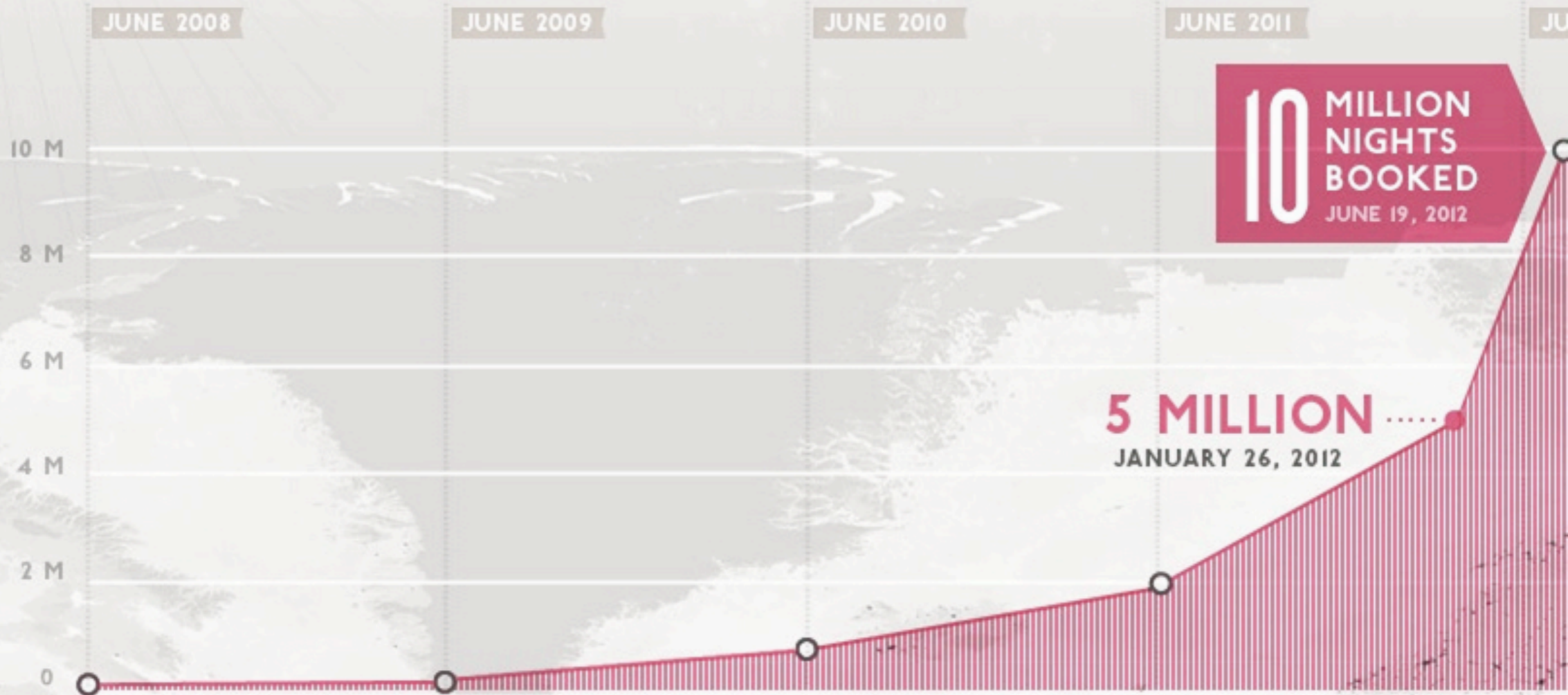









# Trend: Cloud Computing



# BEST NIGHTS BOOKED



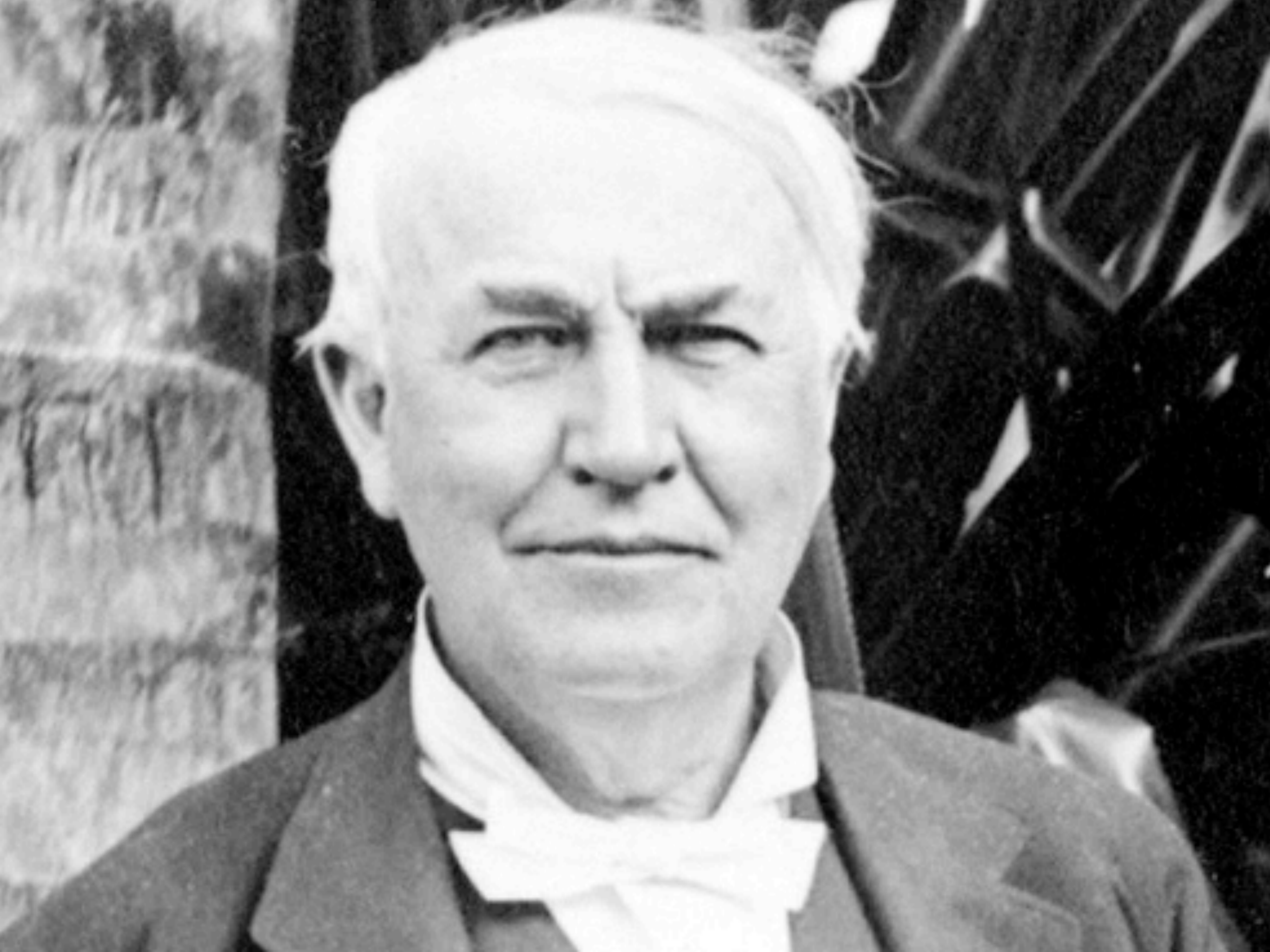
# BEST NIGHTS BOOKED...

IN 2008 —	IN 2009 —	IN 2010 —	IN 2011 —	IN 2012 —
 -every- <b>DAY</b>	 -every- <b>5 MIN.</b>	 -every- <b>MINUTE</b>	 -every- <b>10 SEC.</b>	 -every- <b>2 SEC.</b>

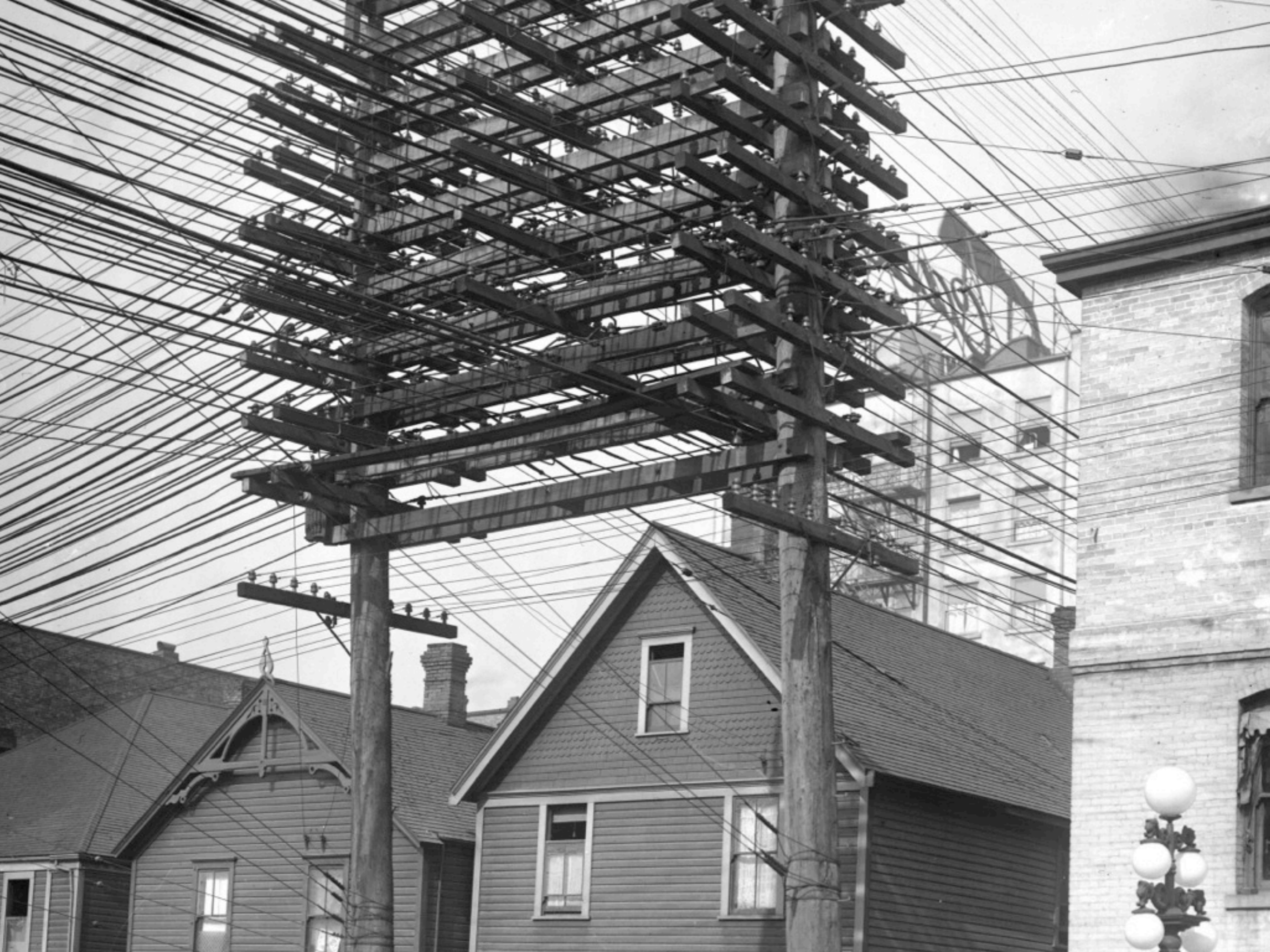




















SolarCity



SCTY  
NASDAQ  
LISTED

NASDAQ

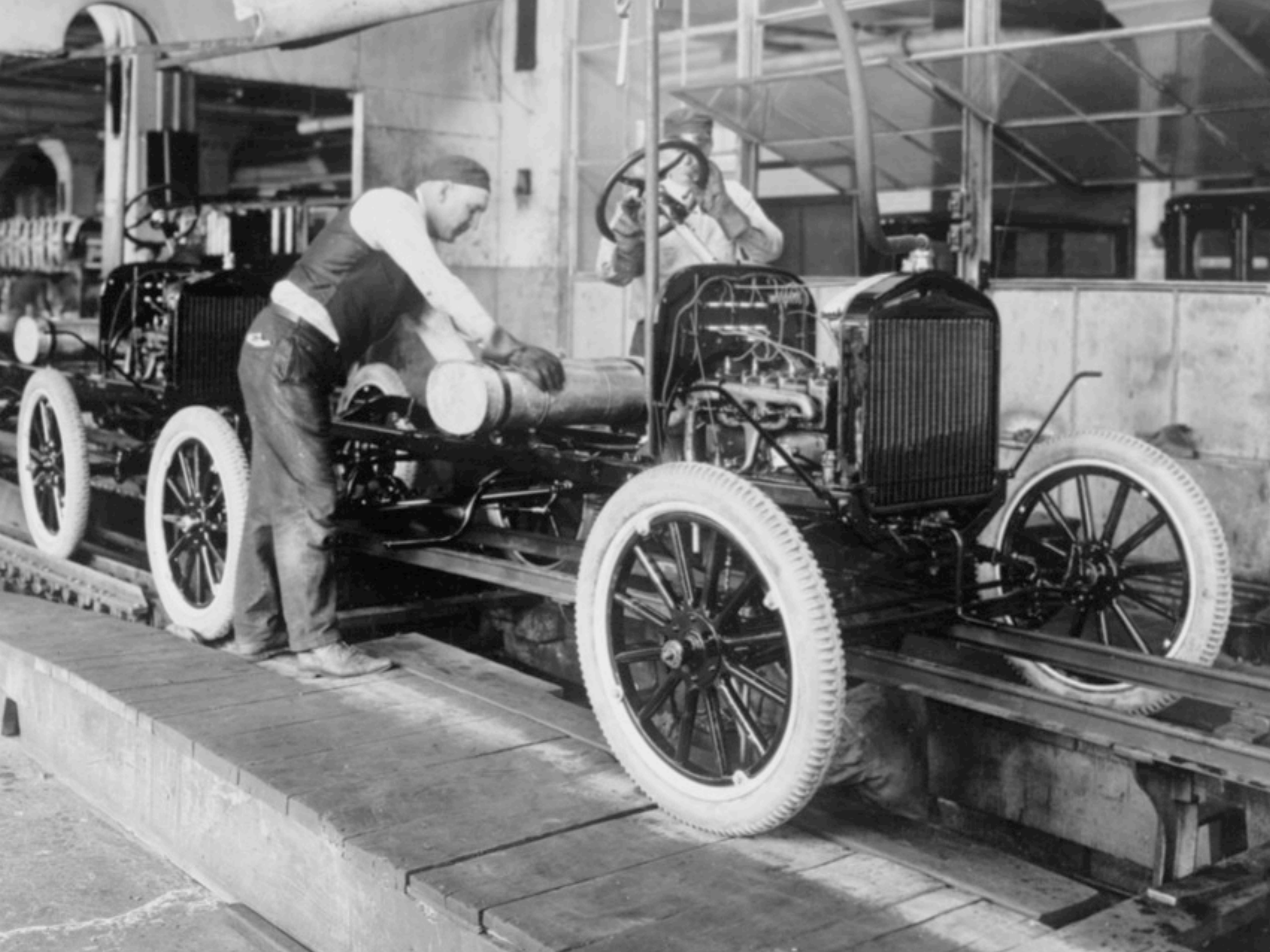


# Trend: Renewable Energy













(866)  
DRY

FedEx  
Freight

P10455

TESLA

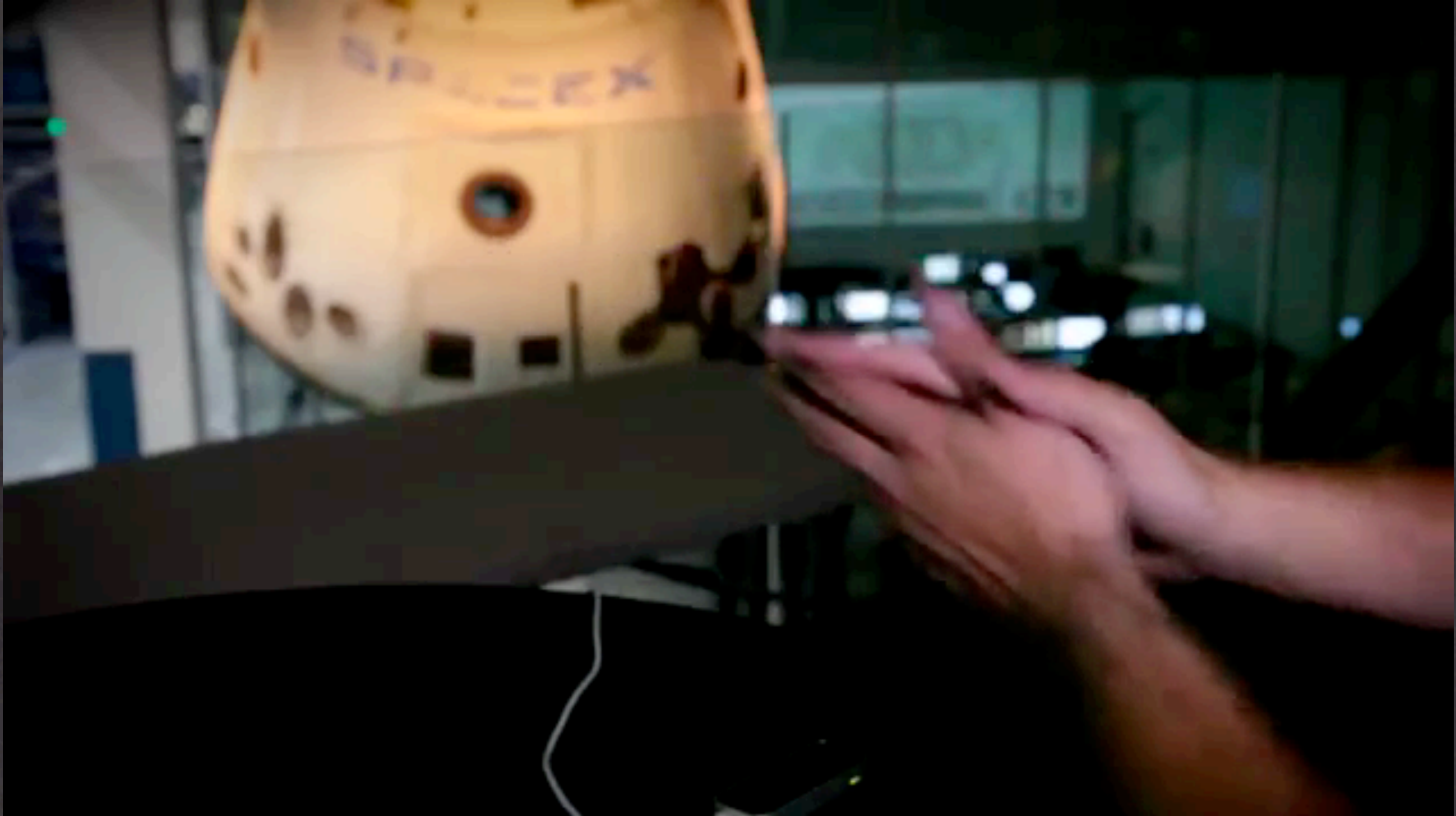


# Trend: 3D Manufacturing











### Gigafactory Projected Figures

2020 Tesla Vehicle Volume	≈500,000/yr
2020 Gigafactory Cell Output	35 GWh/yr
2020 Gigafactory Pack Output	50 GWh/yr
Space Requirement	Up to 10M ft <sup>2</sup> w/ 1-2 levels
Total Land Area (acres)	500-1000
Employees	≈6,500

New Local  
Renewables  
Solar and Wind



Rendering







The Christian Hospital

The Christian Hospital  
Valparaiso, Ind.

# Trend: Mobility





**Dr. Christopher Kaeding**

Ohio State's Wexner Medical Center



Wexner  
Medical  
Center





SCHOOL of UNLEARNING



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Peapod Giant is the largest Peapod store in the country. It's a one-stop shop for everything you need for your home and family. From fresh produce to household essentials, we have it all. And now, with the Peapod Giant app, you can shop from the comfort of your smartphone. Download the app today and start saving.

These plus thousands of other items available now at Peapod **GIANT**



The virtual shelf displays a wide variety of grocery items. From top to bottom, the shelves contain: cereal boxes (including Quaker), coffee (including Folgers), pasta (including Tostitos), condiments (including Heinz ketchup and Jif peanut butter), frozen pizzas, canned soups, and a variety of fresh produce. The bottom row features large images of Coca-Cola cans and a box of Coca-Cola.



Jay's Kindle

12:20 PM



Auto-Rotate



Brightness



Wireless



Quiet Time



Misty



Settings



Automatic Brightness



amazon

Amy



Mail



Calendar



Web Browser



iHeartRadio



Hornik



Facebook





"The Star"

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FOR DINING TABLES



The original and patented Dining Table Pad.  
Not an imitation.

The best Pad manufactured.

Made of a special grade of Asbestos of sufficient thickness and weight to assure protection from damage by heat and moisture, covered with double faced cotton flannel to make it soft and noiseless.

Pads and leaves made to fold to convenient size to lay away when not in use.

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Ask your dealer to show you the **STAR** Pad.  
All Pads and Mats bear our trade mark "Star."

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Barker Bros., Inc.	Los Angeles, Cal.
Pease Bros. Furniture Co.	Los Angeles, Cal.
Holtzclaw-Stubbs-Shriner Co.	Los Angeles, Cal.
California Furniture Co.	Los Angeles, Cal.
Bullock's	Los Angeles, Cal.
W. & J. Sloane	San Francisco, Cal.
The Emporium	San Francisco, Cal.
Olds, Wortman & King	Portland, Ore.
Meier & Frank Co.	Portland, Ore.
Tull & Gibbs	Portland, Ore.
Davis, Smith & Co.	Tacoma, Wash.
The Crescent	Spokane, Wash.
Goble, Pratt & Robbins	Spokane, Wash.
Tull & Gibbs	Spokane, Wash.

*Write for descriptive booklet.*

**KERNEY MFG. CO.**

150 W. 62nd Street

CHICAGO, ILL.



# Trend: Nanotechnology



SCHOOL UNLEARNING

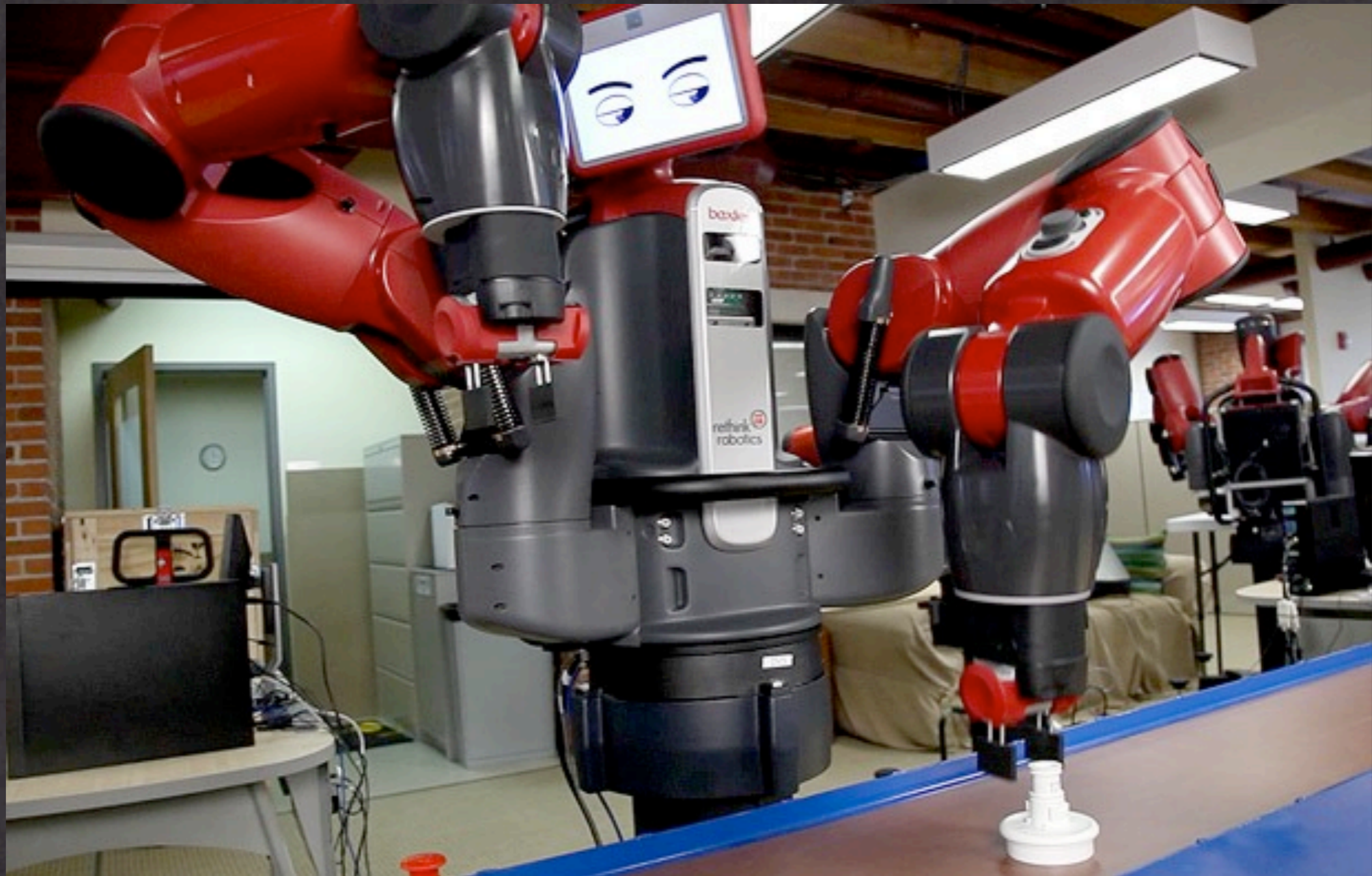




*Handwritten signature*



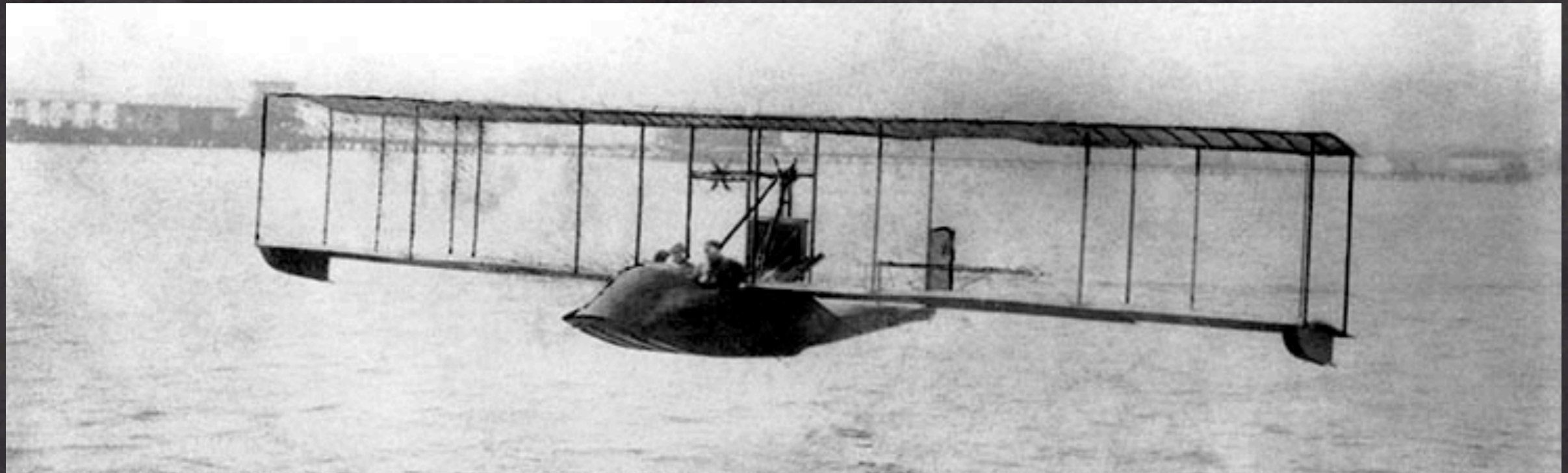
# Trend: Robotics







  
SCHOOL + UNLEARNING



DISPLAYED AT DONBOYD.NET

Opening  
St Petersburg - Tampa  
Air Boat Line  
Jan. 1 1914

Rel. 2461

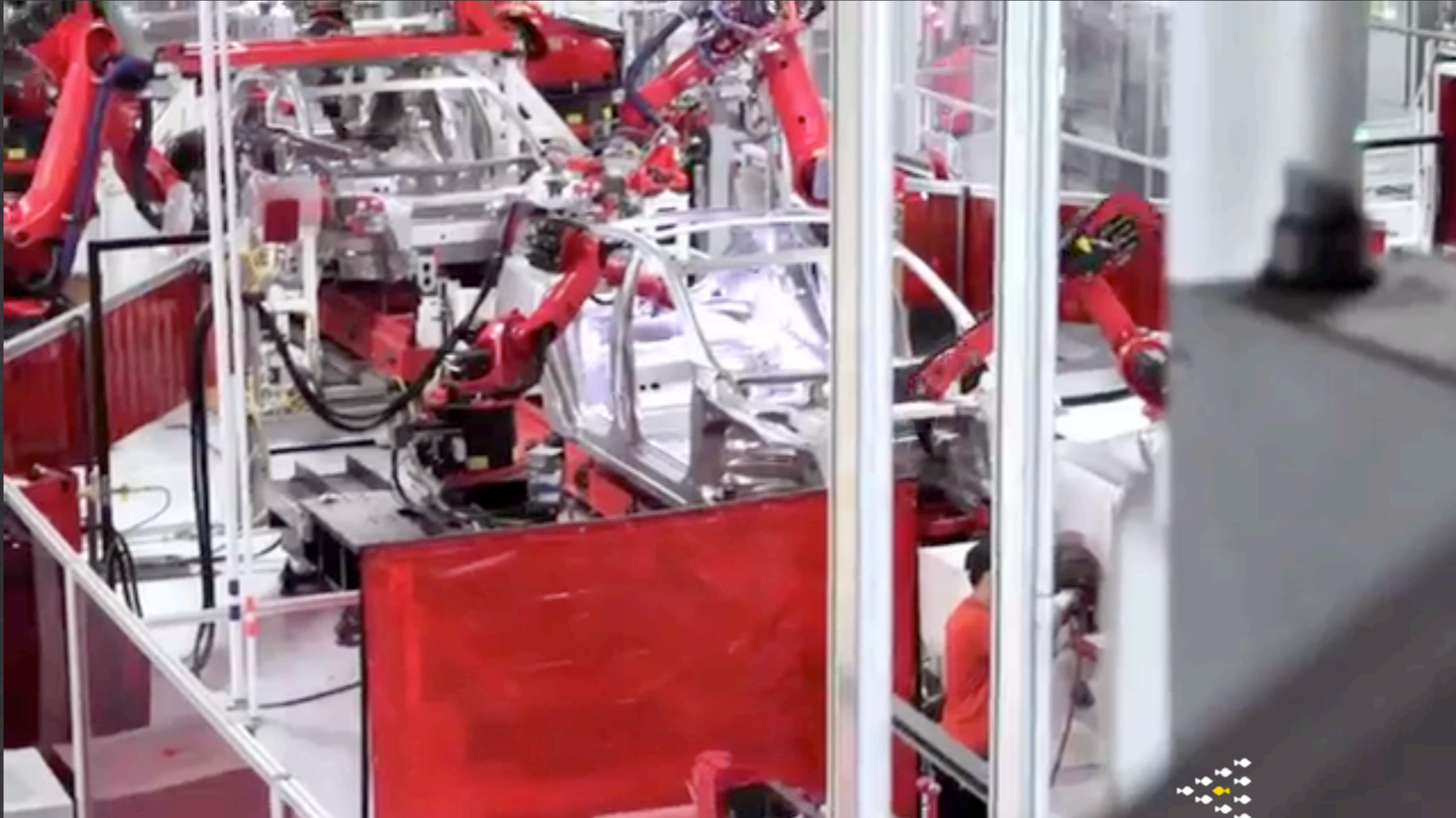




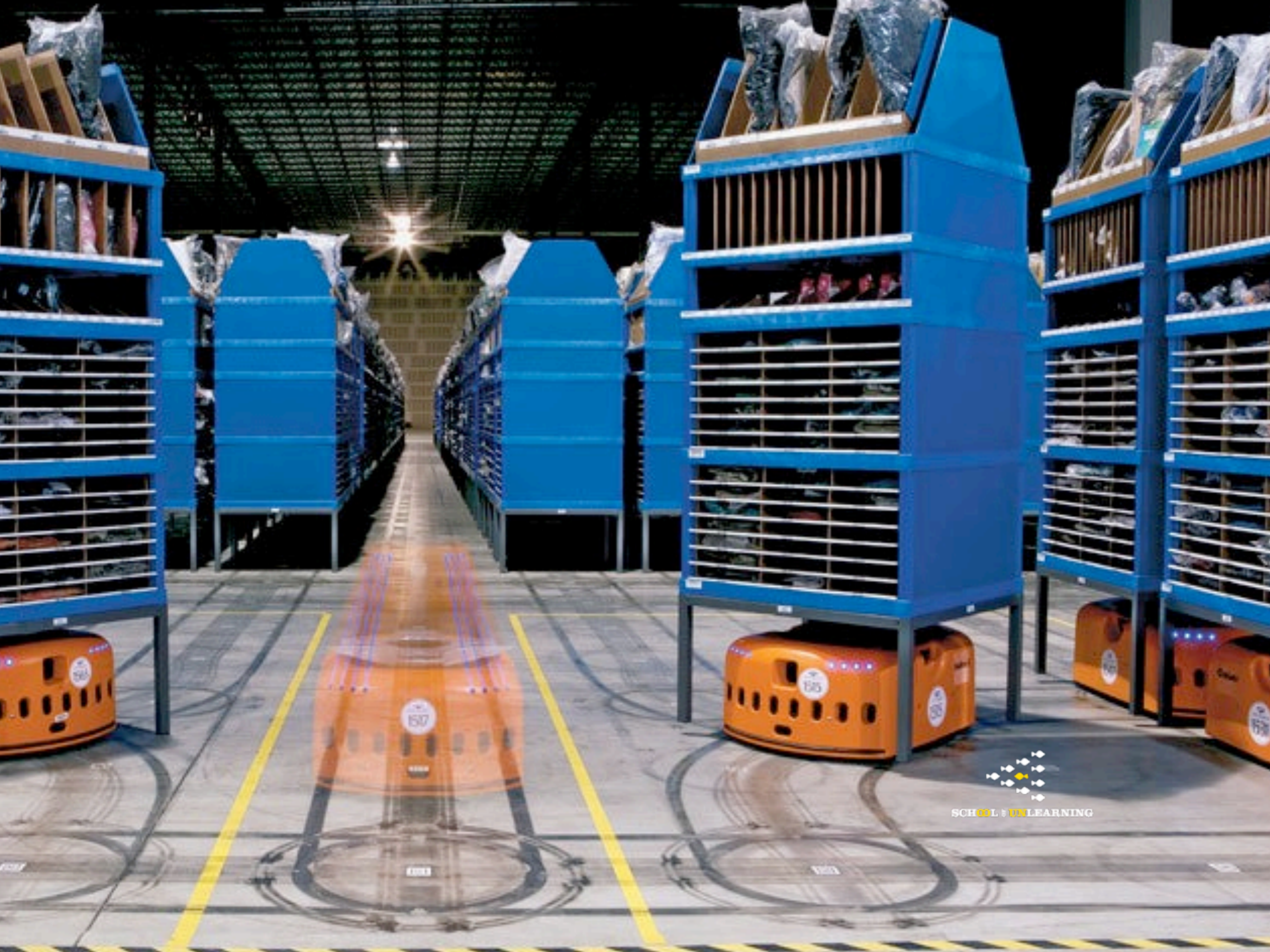


SCHOOL : UNLEARNING





SCHOOL is UNLEARNING





I.W.W. MEETING, UNION SQ.

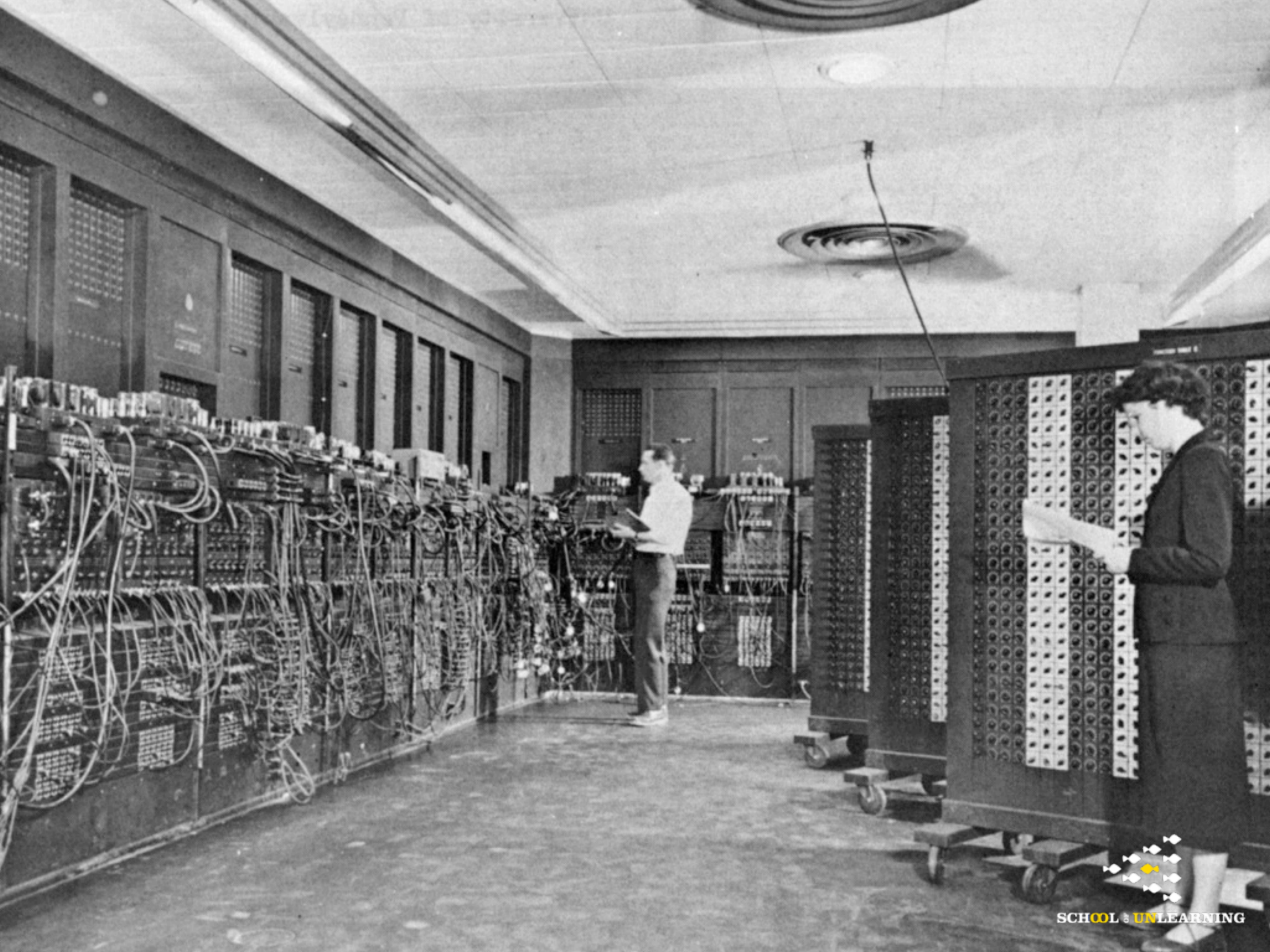
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STEINHARDT & BRO.

FERGU









# Mashable

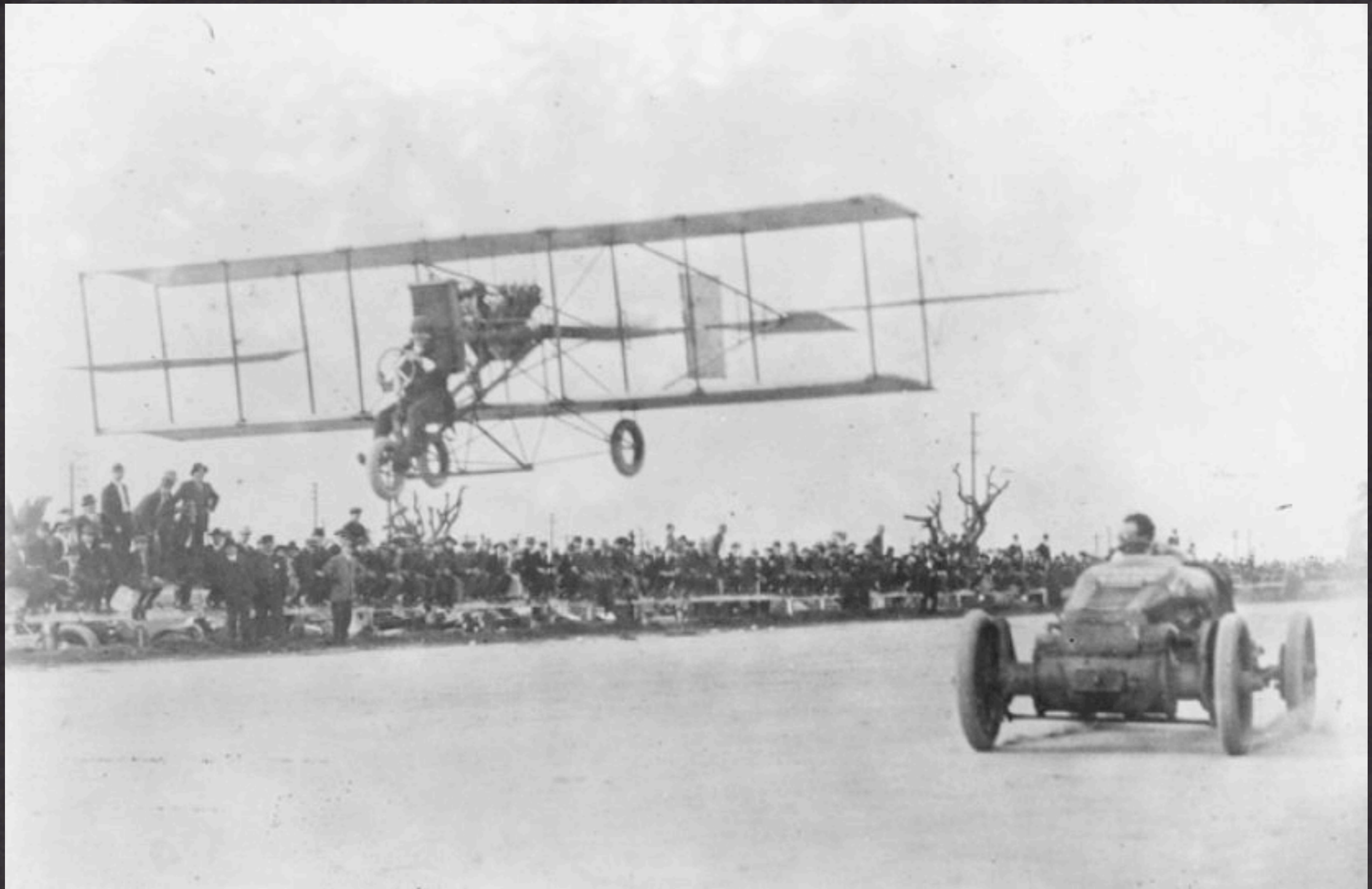


# Trend: Sensors



# Trend: Intelligent Machines



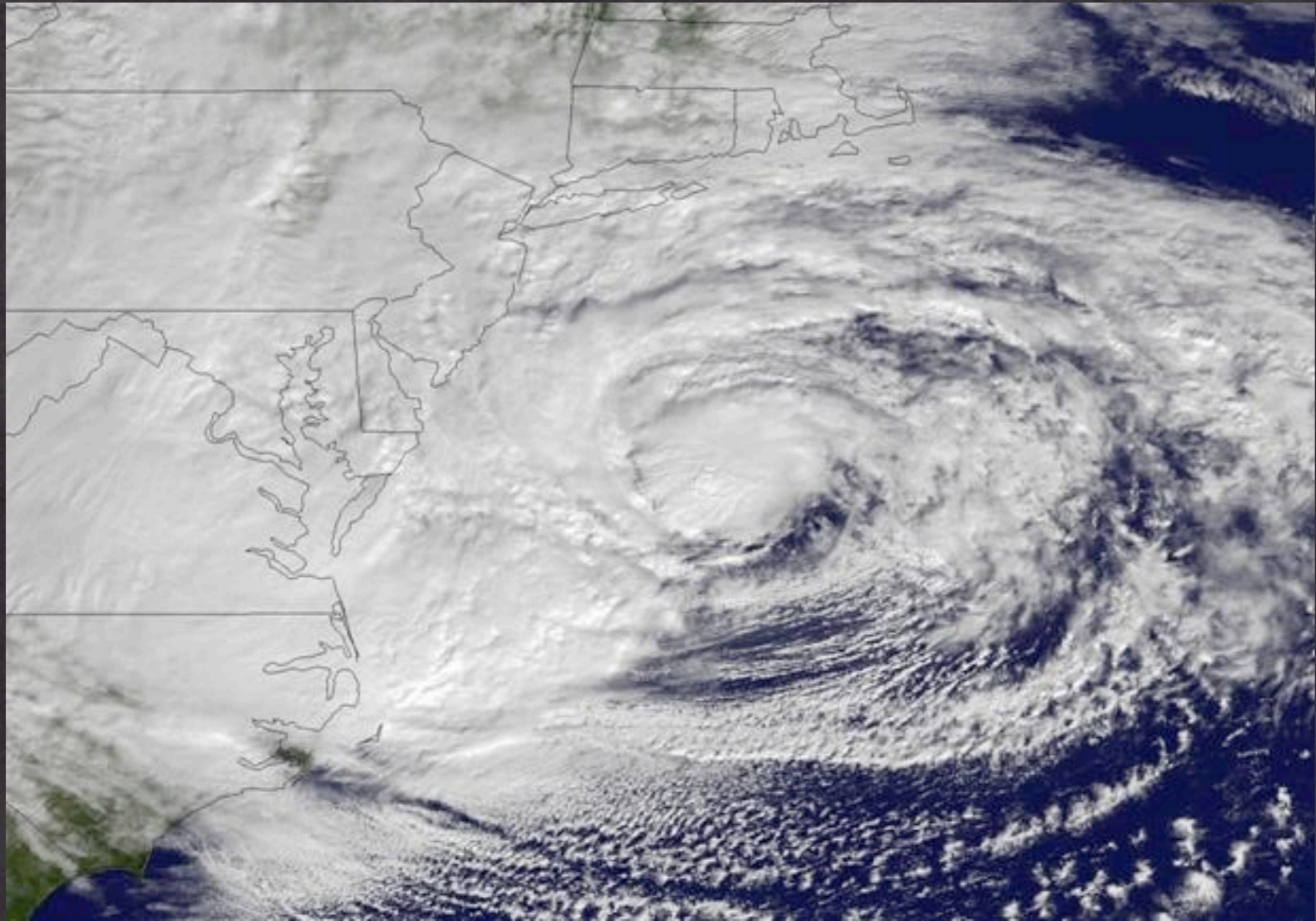


**Identifying  
fraudulent claims**  
dropped from 14 days  
to 24 hours

address  
woman.  
- ORIGIN from  
**fraud** /frɔːd  
tended to  
or thing i  
DERIVAT



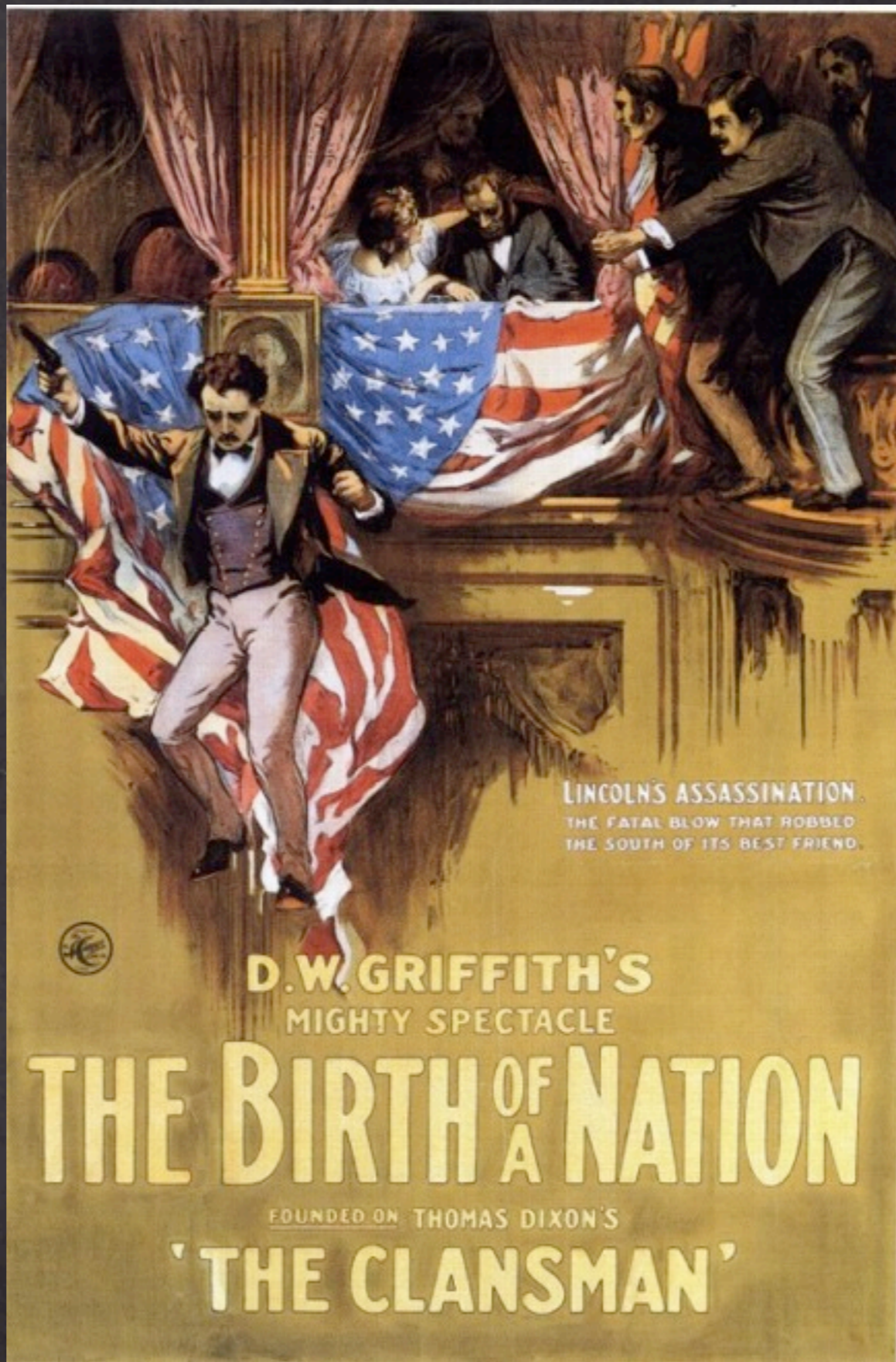






MARK WILSON/GETTY IMAGES





LINCOLN'S ASSASSINATION.  
THE FATAL BLOW THAT ROBBED  
THE SOUTH OF ITS BEST FRIEND.



D.W. GRIFFITH'S  
MIGHTY SPECTACLE

# THE BIRTH OF A NATION

FOUNDED ON THOMAS DIXON'S

## 'THE CLANSMAN'



# BIG

# DATA

# STORAGE

USE  
ONE SINCE  
**SOFTWARE**

REQUIRING  
**BUSINESS**  
MOVING

UBIQUITOUS  
**ANALYTICS**

SAN  
RADIO-FREQUENCY  
SOLID COMPLEXITY  
WIRELESS  
**PARALLEL**  
TOLERABLE

SIZE NEEDED  
QUALITIES

PETABYTES

INTERNET  
**TECHNOLOG**

USED DISTRIBUTED CAPTURE  
MAY MANAGEMENT MAN

**SOCIAL** LARGE  
DEFINING STORE

EVERY LARGER  
CASE

USING TYPES  
GARTNER MASSIVELY  
RELATED BIOLOGICAL  
ALSO **HUNDREDS** CREATED

PERFORMANCE

WORKING

DISK  
**TIME**  
RELATIONAL

DESKTOP  
CURRENTLY

TENS

**CAPACITY**  
FORMS

**PRACTITIONERS**  
NOW

GENOMICS  
ZETTABYTES  
**SHARED**  
COMBAT SIGNIFICANT

INCLUDE SYSTEMS  
BIOGEOCHEMICAL  
**NETWORKS**  
INFORMATION

CONNECTOMICS  
RECORDS

COST CONTINUES TERABYTES  
CITATION **COMPLEX** MPP RESEARCH  
DATABASES

INDEXING DIFFICULTY  
TARGET **ABILITY** **SETS**  
SENSOR ARCHIVES

**EXAMPLES**  
APPLIED  
ELAPSED  
CURRENT  
THOUGHT

UTING  
TOOLS  
SET  
GENOMICS  
ACCESS  
DEFINITION  
SEARCH  
OPPORTUNITIES

PROCESSING

MAN  
GRO

amazon



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# What's Next?





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OF THE  
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