Reimagining Industry: The Power of Digital Technology

March 21st, 2019
Hello!

Gaby Rowe
CEO
Station Houston
Every once in a while, a new technology, an old problem, and a big idea turn into an innovation.

- Dean Kamen
Houston 2015

240,000 STEM workers (3rd most in US)

Abundant Corporate Innovation

20th out of 25 ranked startup ecosystems in US

0% Growth in # of companies receiving VC funding (2010-2015)
Houston Today

45% Growth in VC funding in Houston between 2017 and 2018

Texas voted #1 location for female entrepreneurs in the US

Houston voted #1 location for minority and foreign-born entrepreneurs in the US
Houston Knows
Industry
Houston Knows Industry

- 21 Fortune 500 companies call Houston home, all of which are industrial
- Largest Medical Center in the world
- Largest port, by tonnage in the US
- #1 manufacturer of polymer materials in the world
- Energy capital of the world
Houston Knows Innovation
Houston Knows Innovation

- NASA Space Program
- 1st heart transplant and home of the DeBakey Cardiovascular Institute
- Built a port 150 miles from the gulf
- Development of fracking and the horizontal well
Houston Knows Talent
Houston Knows Talent

- There are over 40 accredited colleges and universities in the Houston Area with almost 30% of the population holding a BA or higher
- #1 most diverse city in the US with 90 languages spoken
- Industrial giants attract top engineering talent from all over the world
- More engineering jobs than any other city in the US
Houston Knows
Industrial Startups
Houston Knows
Industrial Startups

- Mentors and subject matter experts who understand industrial pain-points that need to be solved
- Angel investors, venture capitalists and private equity investors in the region understand the lifecycle of industry
- Industrial enterprises increasingly understand the need to pilot new technologies with the startups that develop them
Station

Founded in 2016
$207 million raised by members
650 member companies
202 startups in incubation
9,000+ visitors in 2018
Mission

To accelerate the innovation economy in Houston, one entrepreneur at a time.
Making Connections that Accelerate Growth

Startups/Entrepreneurs

Customers: Corporate Partners

Talent

Capital: Angel Investors Venture Capital Private Equity
Ion and The Innovation District

Announced in February 2018

Ion is designed to be a hub for innovation for all of Houston

260,000 square feet

Situated within 15 acre district
The Ion
The Ion
Accelerating Innovations

Houston’s Innovation Ecosystem

University of Houston
- NextHit
- UH Innovation Center
- UH Innovation Lab

Downtown & Midtown
- Houston Exponential
- Accenture Innovation Center
- Wi + CoWork
- Level Office Houston - Rusk
- Mass Challenge

University of Houston
- UH Innovation Center
- UH Innovation Lab

Downtown & Midtown
- Station Houston
- WeWork Downtown
- Level Office Houston - Main
- TXRX Labs Headquarters

Ellington/NASA Area
- SATOP
- BayTech
- CreatorSpace

Ellington/NASA Area
- Spaceport at Ellington Airport
- Ellington Field JRB

Rice University
- Biotechnology Commercialization Center at the UTHSC
- Bioscience Research Collaborative
- Rice Alliance
- Owlspark Accelerator

Texas Medical Center
- JLABS @ TMC
- AT&T Foundry
- TMC|BIodesign
- TMC|x - Texas Medical Center Accelerator
- TMC|x+

Fannin Innovation Studio
- Houston Business Lounge
- Houston Arts Incubator
- WeWork Galleria
- WeWork Downtown
- Level Office Houston - Main
- TXRX Labs Headquarters

The Cannon
- Houston Business Lounge
- Houston Arts Incubator
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TechSpace Houston
- Office in America
- WeWork Galleria
- WeWork Downtown
- Level Office Houston - Main
- TXRX Labs Headquarters

Fruition Technology Labs
- Office in America
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The Future of the Ecosystem: Collaboration Across the Globe

The TechGateway Program

A Trilateral Agreement Between:

- Natural Energy Resources, Perth, Australia
- Oil & Gas Technology Centre, Aberdeen, UK
- Station Houston, Houston, USA
Station Case Study: Mission Secure

Problem Solved: Industrial Asset Cybersecurity

Digital Technology Used: Artificial Intelligence Machine Learning

Implementation: Hardware and Software
Station Case Study: Abyss Solutions

**Problem Solved:**
3D AI enhanced Images of Underwater Assets with ML Analysis of Asset Integrity

**Digital Technology Used:**
Robotics
Artificial Intelligence
Machine Learning

**Implementation:**
Hardware and Software
Station Case Study: Arundo Analytics

Problem Solved:
Industrial Enterprise-Scale Machine Learning and Analytics

Digital Technology Used:
Machine Learning

Implementation:
Software
Station Case Study: Aatonomy

Problem Solved:
AI and ML enabled drones that can "learn" to be smarter.

Digital Technology Used:
Drone Tech
Artificial Intelligence
Machine Learning

Implementation:
Software
Leverage Tech

To Accelerate Growth and Reimagine Oil & Gas

Station Houston
Thanks!!

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