



The University of Texas at Austin

IC² Institute

Office of the Vice President for Research

International Partnerships & The IC² Institute

US/EU Cleantech Cluster Roundtable

Bilat USA 4.0

Richard Amato

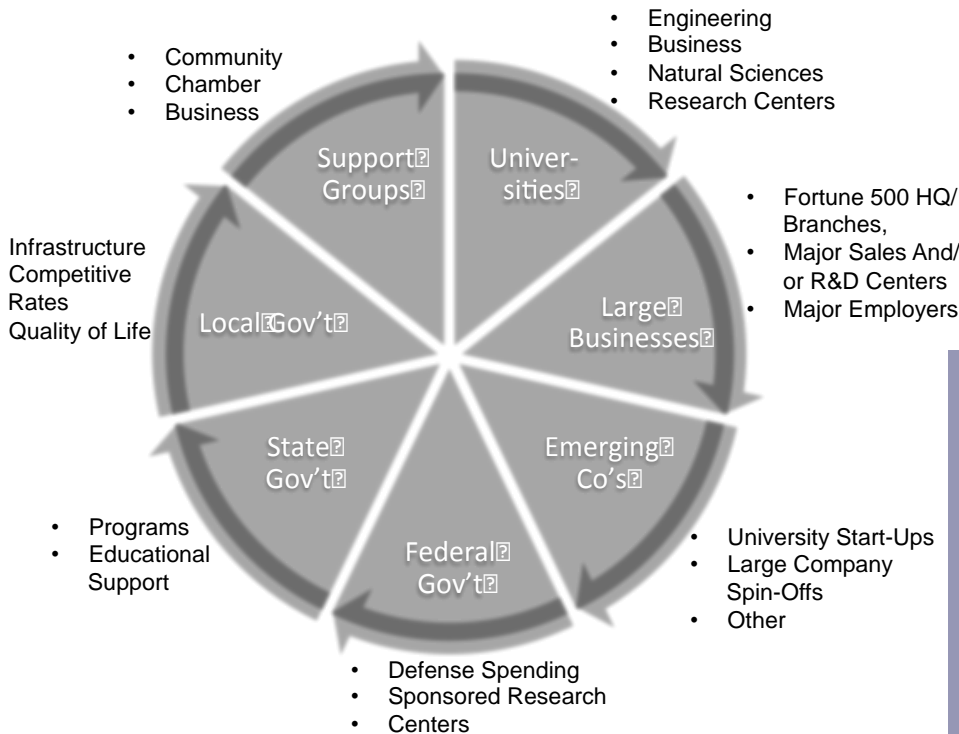
Copenhagen, Denmark – November 6, 2018



The “Austin Model”: Collaboration is the Catalyst



The “Coral Reef” Model: 2012



The Technopolis Model:1988

AUSTIN'S ENTREPRENEURIAL GENESIS

Austin has become the  entrepreneurial city in the U.S.

For two consecutive years, in 2015 and 2016, Austin was selected as the #1 entrepreneurial city in the United States by the Kauffman Foundation. What has been Austin's entrepreneurial genesis? The Kauffman Foundation funded a 1.5 year-long project to answer this question. This infographic begins by showing

It presents the five parallel stages of Austin's entrepreneurial evolution:

- 1) capacity building at the University of Texas at Austin (UT),
- 2) continuous attraction of large high-tech companies,
- 3) corporate spinoffs and entrepreneurial spawning,
- 4) creation of an entrepreneurial community

The Austin Entrepreneurial Genesis: 2017
funded by the Kauffman Foundation 3

The University of Texas at Austin

UT + IC² + ATI

*The premier energy university +
a think-and-do tank promoting innovation,
collaboration & commercialization around the world +
the oldest technology incubator.*

The University of Texas at Austin (UT)



- Flagship of The University of Texas System:
 - 15 Universities + 7 Health Sciences Centers
 - 2nd largest in US
- High quality talent production:
 - ~52,000 students at UT Austin
 - >12,000 degrees conferred each year
 - >11,000 graduate students enrolled
 - Other excellent universities:
 - St. Edwards
 - Concordia
 - Austin Community College
- Granted ~\$640M in research funding
- Economic Impact
 - \$9B in local economic impact/year
 - 21x multiplier (funding -> economic activity)

IC² Institute: 40+ Years Strong!



"The guidance, support, and friendship of George Kozmetsky were instrumental in the early success of Dell. In this compelling biography, Monty Jones has illuminated George's lifelong contributions as a leader in business, education, and civic life."

Michael Dell, chairman and CEO, Dell Technologies

"My proximity to George Kozmetsky was comparable to living in a perpetual tsunami; a tsunami bearing a whirlpool of creative and independent ideas in the fields of science, technology, business, academia, and society, as well as their interdependencies."

Herb Kelleher, founder and chairman emeritus of Southwest Airlines

"Rony and George Kozmetsky made many contributions to Austin and the world, including their deep commitment to women's issues. They had an engaging spirit. Monty Jones has produced a fascinating portrait that I hope will inspire others to follow their extraordinary example."

Sarah Weddington, Austin attorney and advocate for women's rights

Jones

A CIVIC ENTREPRENEUR

A CIVIC ENTREPRENEUR
The Life of Technology Visionary George Kozmetsky



THE LIFE OF TECHNOLOGY VISIONARY
GEORGE KOZMETSKY

Monty Jones



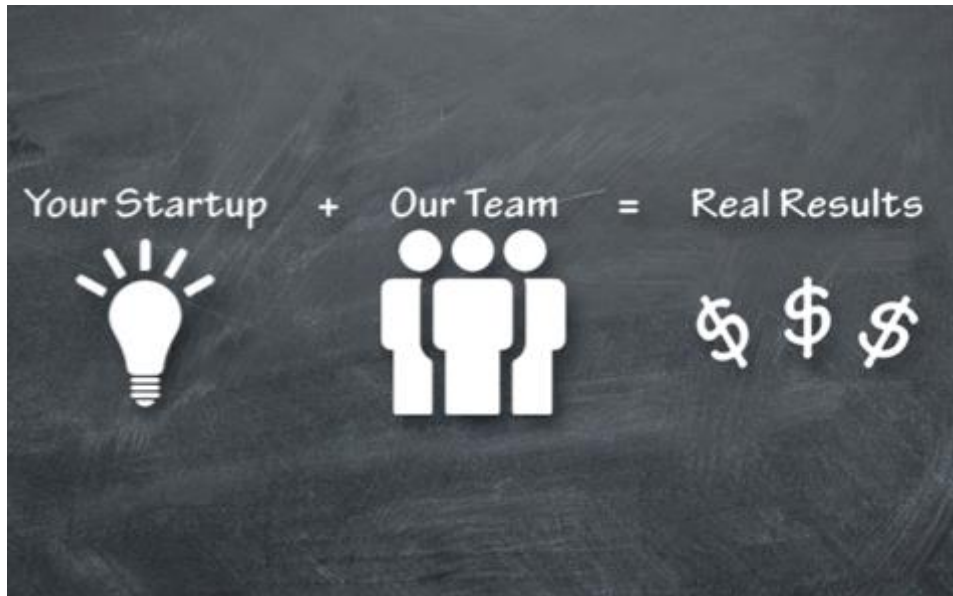
Distributed by Tower Books, an imprint of the
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**Linking UT Austin with the City of Austin and the World Through
Innovation and Entrepreneurship**

Austin Technology Incubator (ATI)

Hitting 30 Years in Stride!



ati austin technology
incubator

iC² INSTITUTE • THE UNIVERSITY OF TEXAS AT AUSTIN

Deep Commitment
Deep Technology
Deep Impact

>\$3B Economic Impact



ATI: Verticals

Sustainability Portfolio



**Energy
(2001)**



**Water
and Food
(2015)**



**Transport
ation and
Mobility
(2017)**



**Circular
Economy
(2018)**



**Bio/Life
Science
(2008)**

Robotics

Artificial Intelligence

IT Wireless

UT Austin/IC²/ATI Synergies: Conventional and CleanTech Energy



**Conventional
Energy**



Renewables



**Energy Storage &
"Smart Grid" Technologies**



**Smart Cities &
Resilient Infrastructure**



**Autonomous Vehicles &
Connected Mobility**



**Water
Management**



**Recycling &
Waste Management**



**Advanced
Manufacturing**

IC²/ATI/CEI: Building Networks

Direct access to IC² global contacts.

energy institute
THE UNIVERSITY OF TEXAS AT AUSTIN

ati clean energy incubator
ic² INSTITUTE
THE UNIVERSITY OF TEXAS AT AUSTIN

U.S. DEPARTMENT OF ENERGY

NREL
NATIONAL RENEWABLE ENERGY LABORATORY

Sandia National Laboratories

Extensive Network
Austin is one of the leading cities in the world for clean-tech and IC² is at the epicenter of that development.

SECO
State Energy Conservation Office

alliant

NSTXL

CITY OF AUSTIN
FOUNDED 1839

AUSTIN ENERGY

Pike Powers Lab

ACORe
American Council On Renewable Energy

CLEAN TECH OPEN

Austin Chamber

ECO
AUSTIN • TEXAS

CLEAN TX

nationalgrid

PFLUGERVILLE
Community Development Corporation

RICE ALLIANCE
in TECHNOLOGY and ENTREPRENEURSHIP

DEFENSE ENERGY
SUMMIT & INNOVATION SHOWCASE

TREIA

PECAN STREET

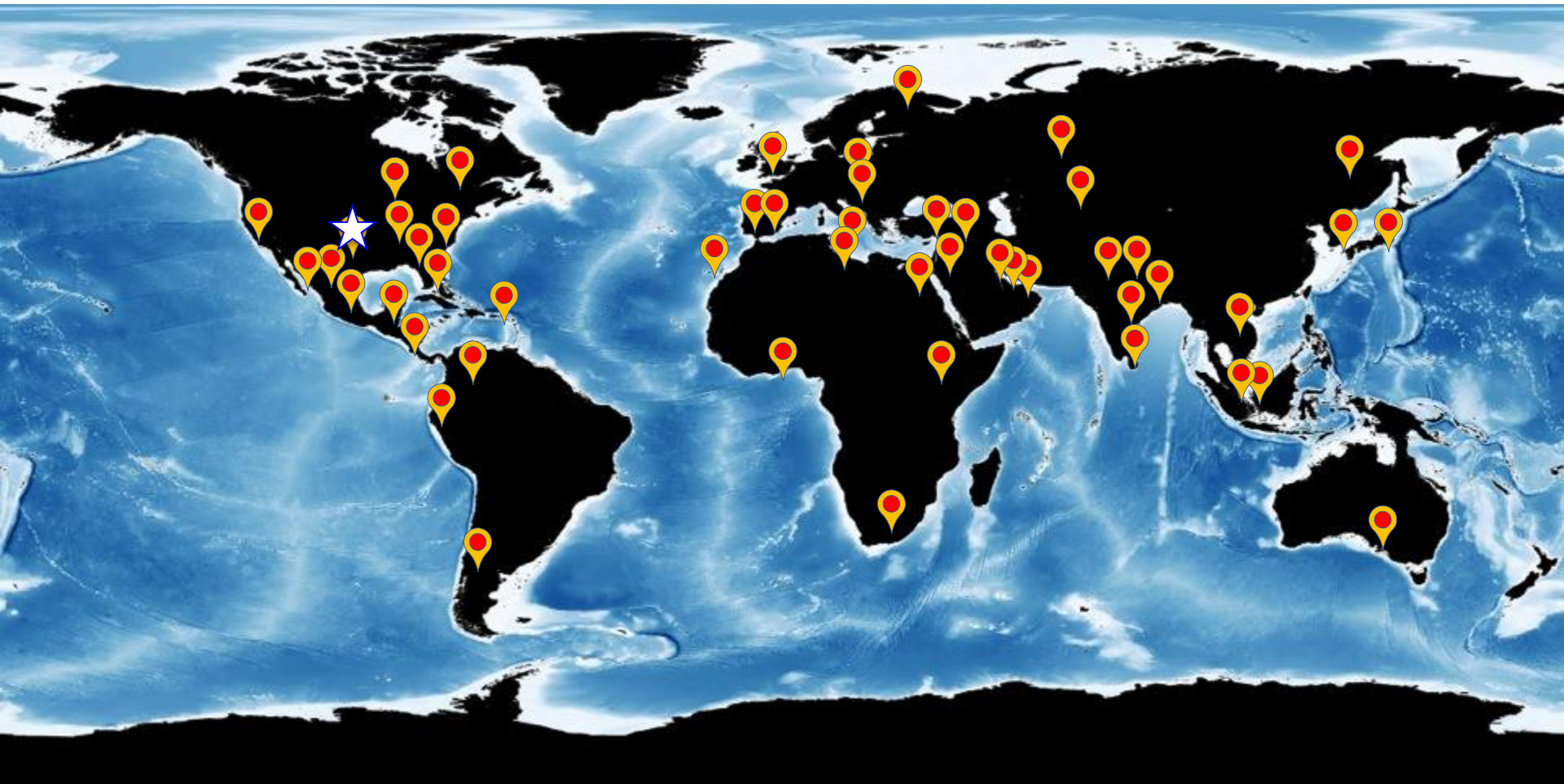
incubateenergy network

International Experience

Partners

IC² has managed hundreds of programs and worked with over 30 countries around the world in all sectors from government to university to private enterprises.

IC² Institute: International Reach



 Sites of IC² Projects/Partnerships

IC² Global Energy Programs

- **World Bank:** Supported the development of Climate Innovation Centers (CICs) throughout Africa and Southeast Asia to focus on supporting innovation in energy and sustainable related technologies.
- **India:** Developed the Nexus (Delhi) and XLR8 (Andhra Pradesh) incubators to support innovation and commercialization with a high preponderance of energy/water technologies to address the tremendous needs in country.
- **McCombs Global Connections:** Lead a class at UT which works with energy/sustainability start-ups in developing regions (e.g. Ghana & South Africa) to support their growth and development including in-country visits.
- **Alliander:** ATI partnered with Alliander, an energy network company out of the Netherlands, to support cross-cultural innovation and commercialization.
- **New Energy Nexus:** Partnered with the team which “connects the global energy startup ecosystem and accelerates the uptake of disruptive energy solutions.”



WORLD BANK GROUP



TEXAS McCombs

The University of Texas at Austin
McCombs School of Business



Aspiring Women Entrepreneurs (AWE)



The IC² Institute at **The University of Texas at Austin (UT)**, in collaboration with the Nexus Startup Hub in Delhi India and LTU in Lulea Sweden, and the support of the US Department of State and private donations, linked three separate programs, to provide 30 university students from India, Sweden and the US the opportunity to explore startup market opportunities for innovations in three international markets: Asia, Europe and North America.

AWE Program

North America Austin USA



Weeks 1-2:
Learn methodology and build
US business model

30 Participants: UT students

Asia Delhi India



Week 3:
Travel to Delhi to build Asian
business model

Indian women innovators

Europe Luleå Sweden



Week 4:
Travel to Luleå to build EU
business model and perform
model comparison report

Swedish students

Goals

- Increase in Self Efficacy and Belief
- Formation of International Teams
- Actionable Business Models
- Partnering for Go-To-Market Steps
- Realizing Future Opportunities



SXSW International Engagement



2018

- >12 countries and cities engaged
- >20 companies accelerated
- >200 meetings facilitated
- >40 Austin mentors involved



Arctic
Business
Incubator

Contact information

WHAT STARTS HERE CHANGES THE WORLD



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