



ADVANCED ENERGY CENTRE  
**MaRS** Cleantech | Ontario, Canada

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## THE ADVANCED ENERGY CENTRE AT MARS



## OUR FUTURE MATERS.

**“Innovation is the path to social and economic prosperity”**



The MaRS Discovery District is one of the world’s largest urban innovation hubs placed at the intersection of SMEs, government, large corporations, regulators and the academic sector.

MaRS works with partners to catalyze, accelerate, scale and diffuse innovation.

# PHASE 1

1.4million square ft.

1,000+ companies

50,000 entrepreneurs trained

1,000 international delegations hosted

# PHASE

2 780,000 sq ft  
Opened Jan 2014



TALENT  
DEVELOPMENT



HIGH-IMPACT  
VENTURES



SYSTEMS  
TRANSFORMATION

The Advanced Energy Centre's Mission is to

**Foster** the adoption of innovative energy technologies  
in Ontario and Canada

**Leverage** those successes and experiences into  
international energy markets



## FOUNDING PARTNERS



## Utility & Corporate Partners



## Innovation Network Collaborators



# PERSPECTIVES ON THE ENERGY SYSTEM

## Reguladores

- Innovation=path to
- Draw lines around monopoly
- Create rewards for risk
- Standards to shape status quo

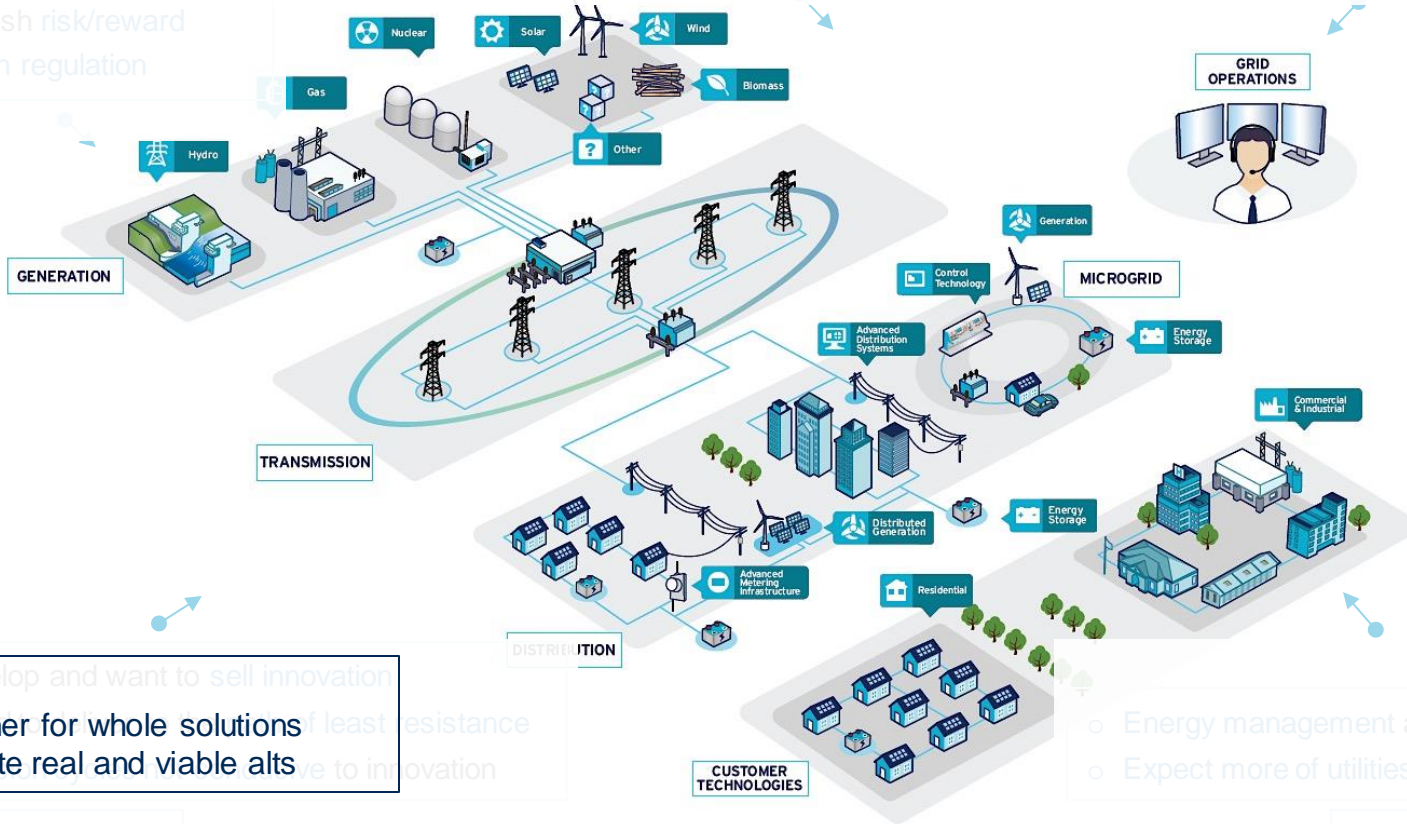
## Utilidades

- Real desire to innovate
- Think outside traditional constraints
- i.e. What if you couldn't sell in kWh?

## Gobierno

- Innovation to show progress & econ dev
- Have
- Hard to
- Consist
- Set goals, let sector respond
- Address barriers
- Resist the need to intervene
- Expose markets

○ Establish risk/reward through regulation



- Develop and want to sell innovation
- Partner for whole solutions
- Create real and viable alts

- Energy management and load deflection
- Expect more of utilities to deliver this

## Innovadores

## Cientes

KEY QUESTION

# HOW DO WE ADOPT INNOVATION FASTER IN THE ENERGY SECTOR?



“

# Capturing the Creativity & Discipline of Markets”

CONVENING PLAYERS



UNDERSTANDING NEEDS



REMOVING BARRIERS



# ADVANCED ENERGY CENTRE PROGRAMS

## Domestic



Redefining Utilities  
in Development  
(Chaudiere, Ottawa)



Cleaner Energy for  
Remote  
Communities



Micro Grids for  
Smart Growth  
(Pelee Island)

### Community Energy



(MDAP) Meter Data  
Access Platform



Green  
Button

### Enabling Energy Data Access



Utility Strategy &  
Planning



Future Roles for  
Utilities

### Utility Transformation



Innovation  
Mapping



Energy  
Innovation  
Snapshot



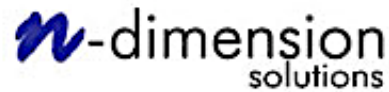
Market  
Insights



Soft-Landing  
Programs

## International

## SMART GRID COMPANIES





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THANK YOU

