



*Large Urban Microgrids*  
*The Case for Joint Development by Utilities and  
Independent Developers*

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Rensselaer Polytechnic Institute, Troy, NY

## Why are they not growing like mushrooms?

Microgrids

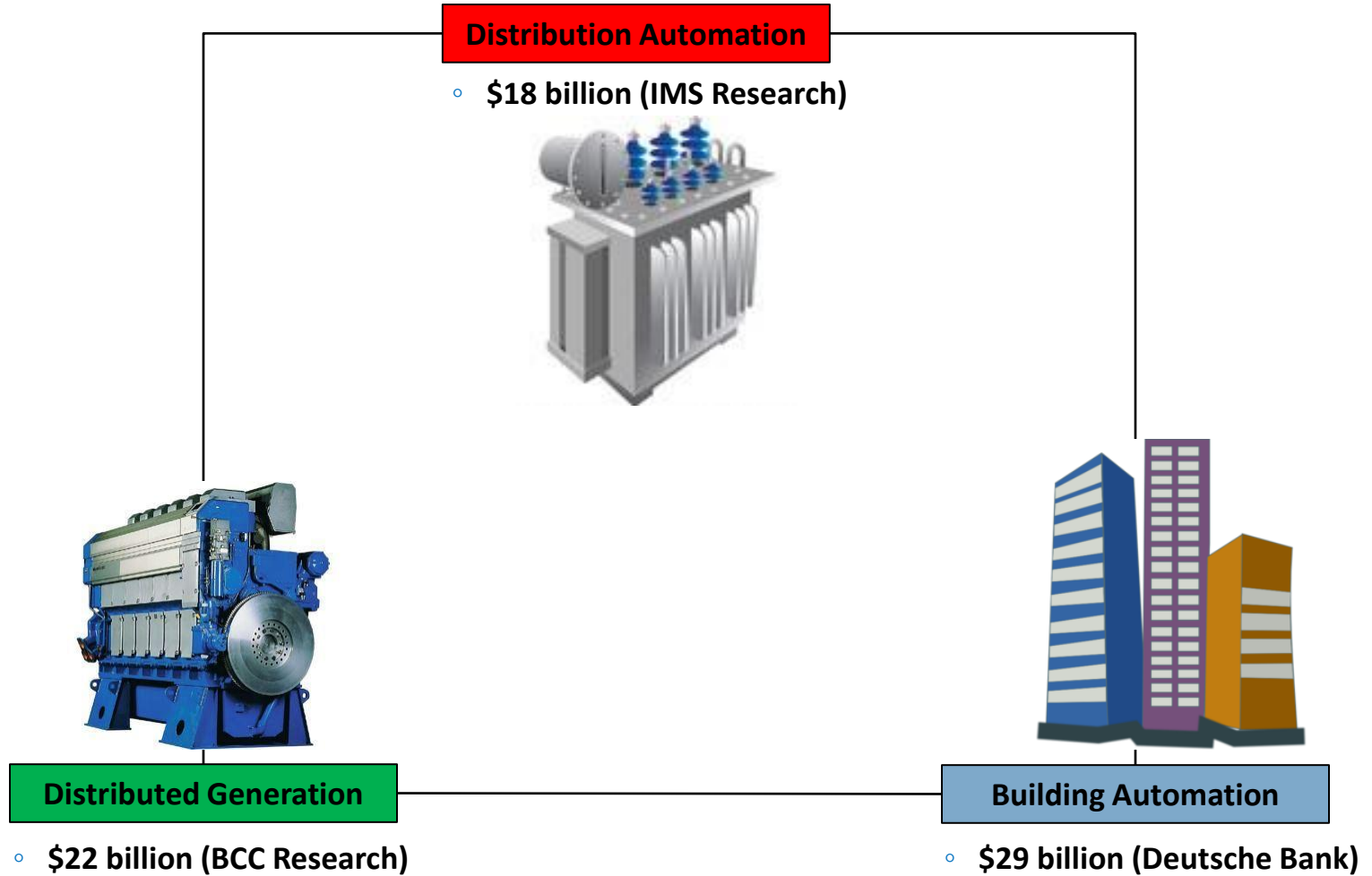
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Resiliency

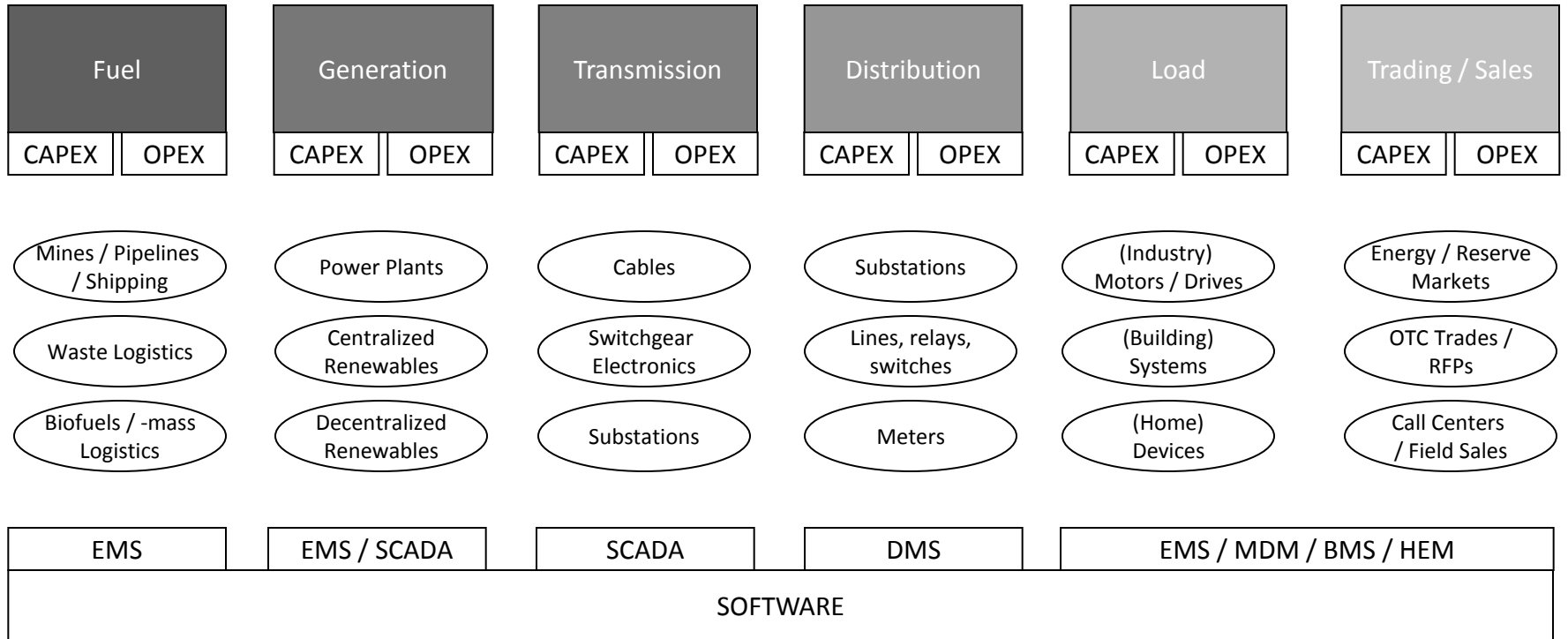
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# Microgrids and Resiliency Market



# Who will integrate?



# Anbaric is looking to deploy the IPP-model in Distribution

## GENERATION

## TRANSMISSION

## DISTRIBUTION

Start of Period

◦ 1980s / 1990s



◦ 2000s



◦ 2010s

New Category

◦ Independent Power Producers (IPPs)

◦ Independent Transmission Companies (ITCs)

◦ Large Urban Microgrids

New FERC Regulations

◦ PURPA ('78)  
◦ Order 888/890 ('96)

◦ Order 1000  
◦ (removal of ROFR)

◦ Order 383 (CHP)  
◦ Order 719/745 (DR)

New Companies

◦ Calpine  
◦ Reliant  
◦ Dynegy  
◦ Constellation  
◦ Many others

◦ **Anbaric Transmission**  
◦ LS Power  
◦ ITC  
◦ TransBay Cable  
◦ Many others

◦ **Anbaric Distribution**  
◦ Microgrid Developers  
◦ Solar Financiers  
◦ Building/DG ESCOs (Siemens)

# How this might work: The Rockaway Resiliency Hub in NYC

