Digitization of Energy

DIGITAL TECHNOLOGY IS DISRUPTING AND TRANSFORMING THE ELECTRICITY INDUSTRY, CHALLENGING OLD MODELS AND CREATING UNPRECEDENTED OPPORTUNITIES. EDISON WOULD NOT RECOGNIZE OUR WORLD TODAY.

Although digitization has become ubiquitous in all aspects of our lives, the energy industry has one of the largest digital opportunities. Digitally-enhanced power generation, with software and data analytics, combined with advanced hardware, will deliver greater affordability, reliability and sustainability. This will be accomplished while lowering costs, improving efficiency, and reducing the electricity industry's carbon output.

Traditional participants in the electricity industry are recognizing the momentous change taking place and are **seeking solutions and partners in the new age of digital.** There are new and old players leveraging digital technologies, new policies creating new requirements, and new business models that are challenging traditional revenue sources and creating new growth opportunities.

Challenges

Data access: <2% of data is captured and is primarily done without automation

Lack of data scientists

Old assets must be retrofit

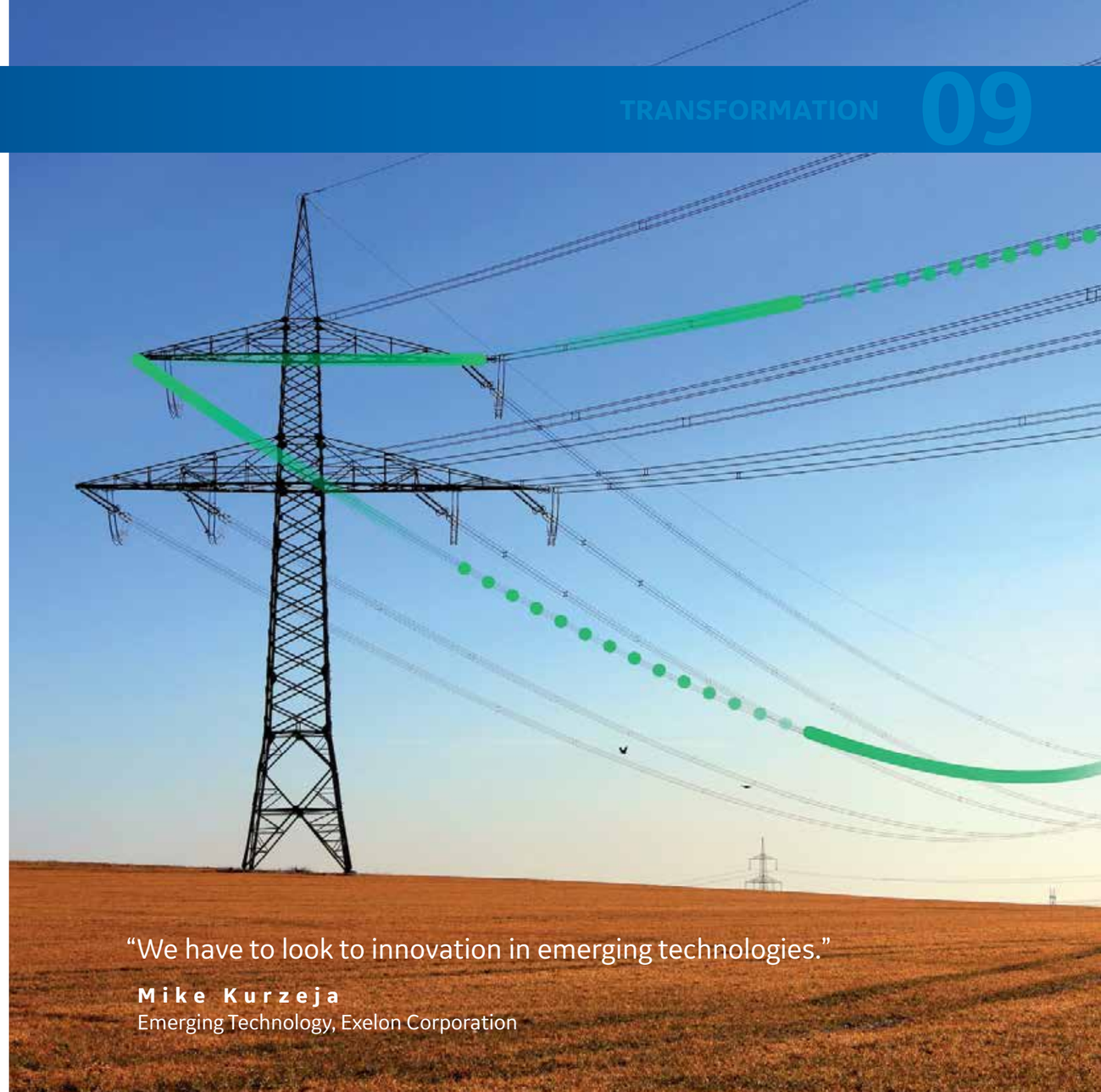
Opportunities

Connectivity: connected machines drive optimization, increase efficiency, and reduce emissions

Grid 2.0: A highly connected, fully optimized grid enables greater transparency, new business models, and enhanced security

Address variability, reliability and line loss issues

>$2T OF SOCIETAL BENEFITS FROM REDUCTION IN CARBON EMISSIONS, NET NEW JOB CREATION AND VALUE CREATION FOR CONSUMERS



"We have to look to innovation in emerging technologies."

Mike Kurzeja
Emerging Technology, Exelon Corporation