CONNECTIONS SUMMIT

Trilliant Networks Creating Actionable Intelligence & Connected Devices

ELECTRICITIES of NORTH CAROLINA, INC.

We Make Connections

Trilliant is a Connectivity Company

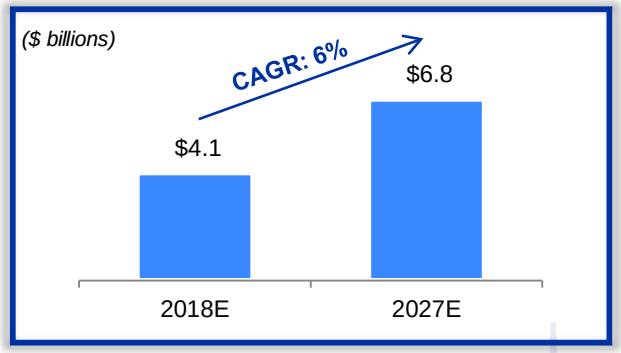
We provide infrastructure solutions that enable actionable intelligence with an **open and secure** communications platform and approach.

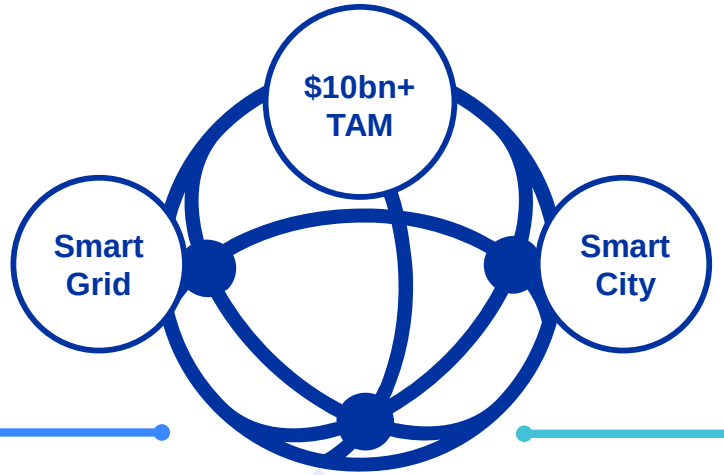
The next generation smart solutions will be built on a network that allows for the **frictionless exchange of data** will propel the energy industry to a bright future.

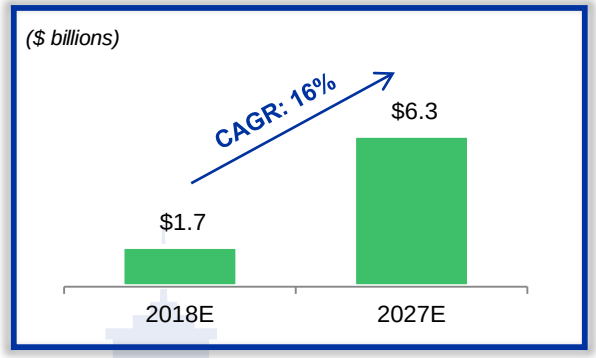
Our advanced **hybrid wireless communication** platform is designed to work with any system to provide a secure, powerful actionable source of data.

We Empower You – By Connecting the World of Things®

Smart Grid & Smart City Markets







Waste

Waste Disposal Management
Waste Collection Routes

Transportation

Real-time Public Transit Info
Intelligent Traffic Signals
Smart Parking
Vehicle Detection
Traffic Control / Management

Energy

Advanced Metering Infrastructure
Smart Grid
Smart Street Lights
Energy Consumption Tracking
Distribution Automation Systems

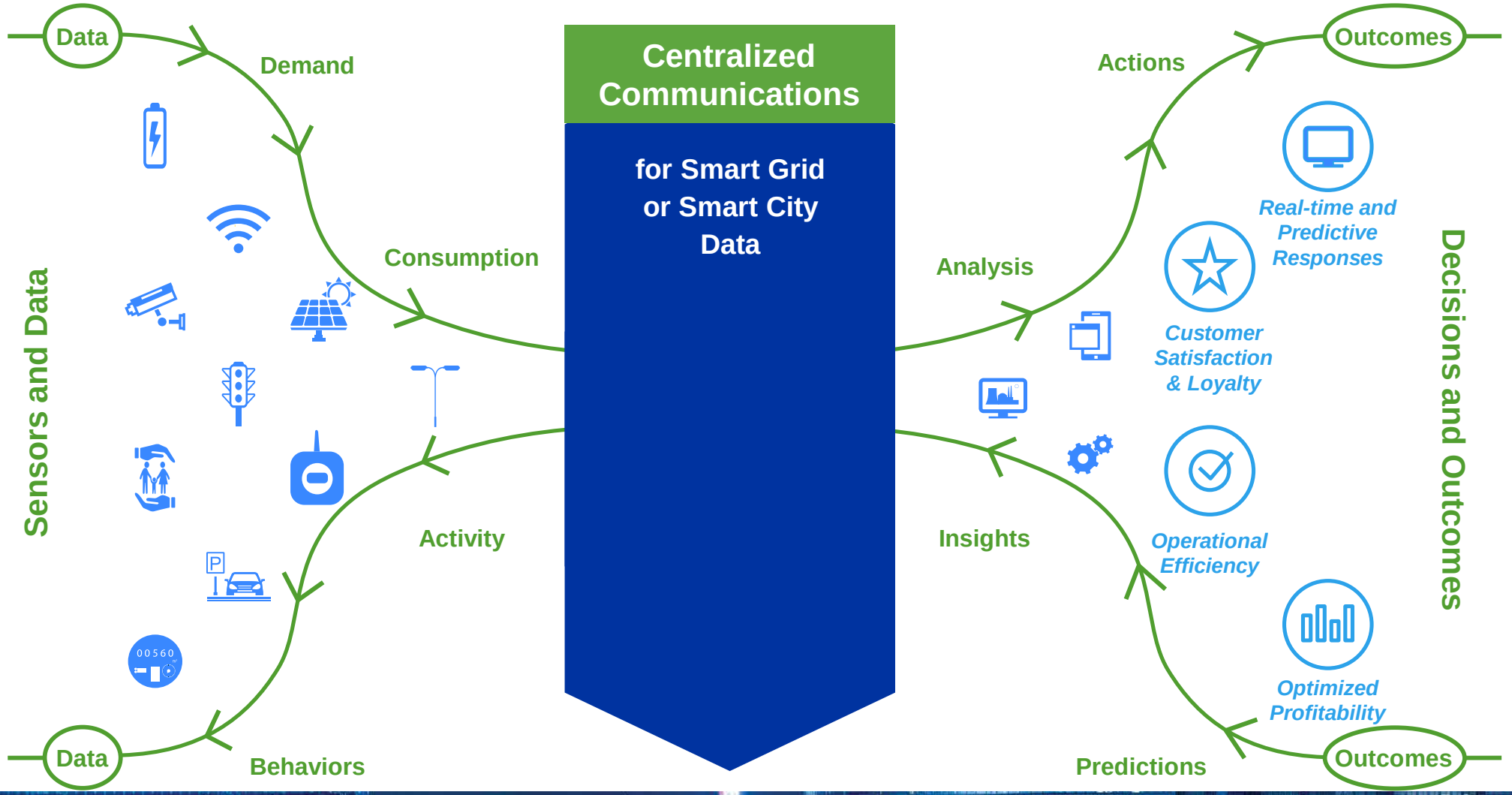
Security

Crime Prevention
Smart Video Surveillance
Emergency Response
Crowd Management
Gun Shot Detection
Motion Detection

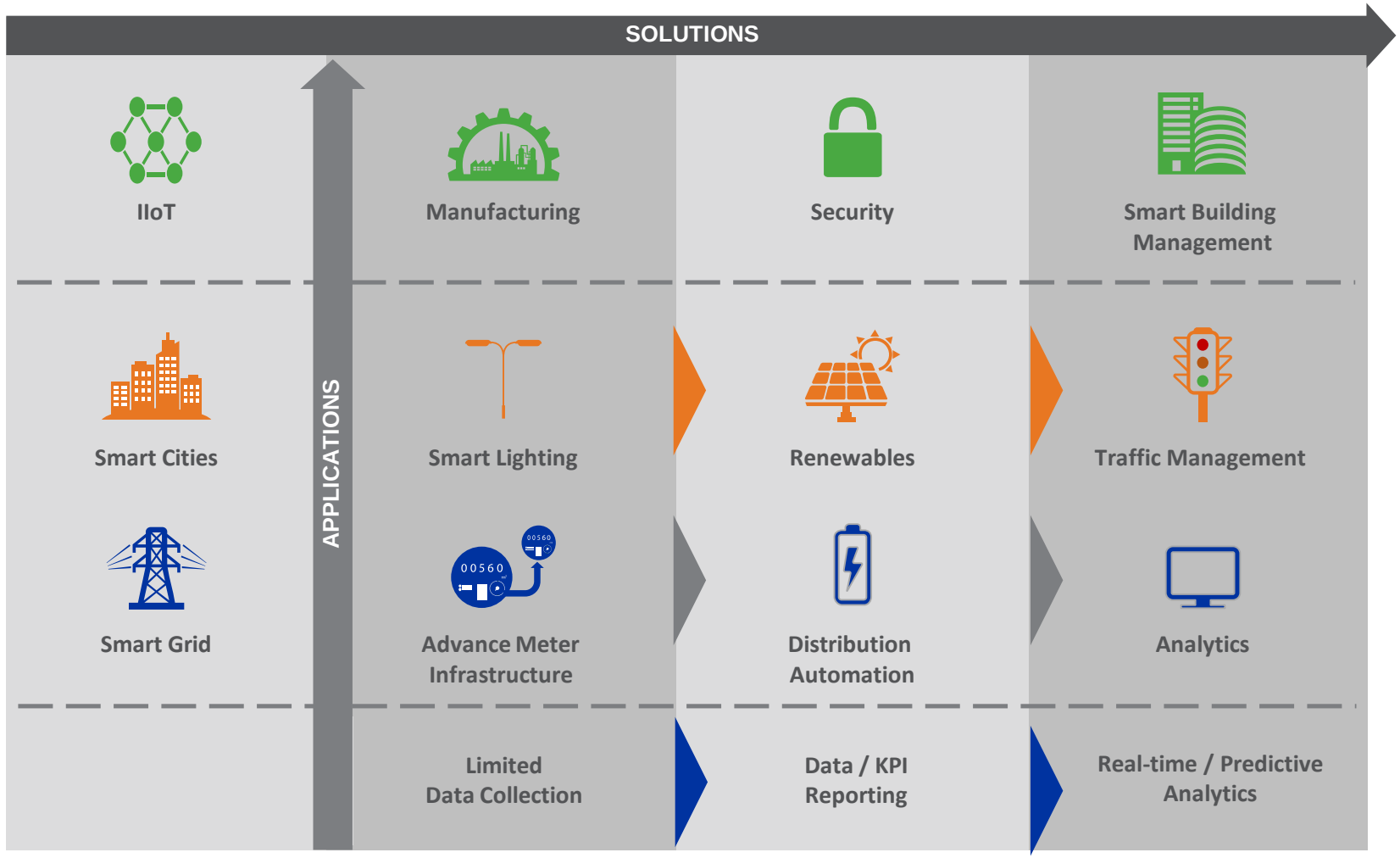
Environmental

Pollution Control
Sanitation Detection
Irrigation Sensors
Chemical Detection
Water Flooding
Weather Tracking

Enabling Outcomes



Industry Trending Towards a Unified Platform



- ☑ Solutions must enable and deliver critical outcomes
- ☑ Communication networks that support smart grid applications will serve as the backbone to support additional Smart City and IIoT applications
- ☑ Deploying a high capacity communications network will deliver connectivity driven outcomes in a wide range of domains, including Smart City applications such as smart street lighting, smart parking, transit services, security, and more
- ☑ Provides real time data for predictive analytics

Smart Grid and Smart City Solutions

Solutions must enable and deliver critical outcomes

Public Safety

- **30–300** lives saved each year in a city of 5 million
- **30–40%** reduction in crime incidents
- **20–35%** improvement in emergency response time

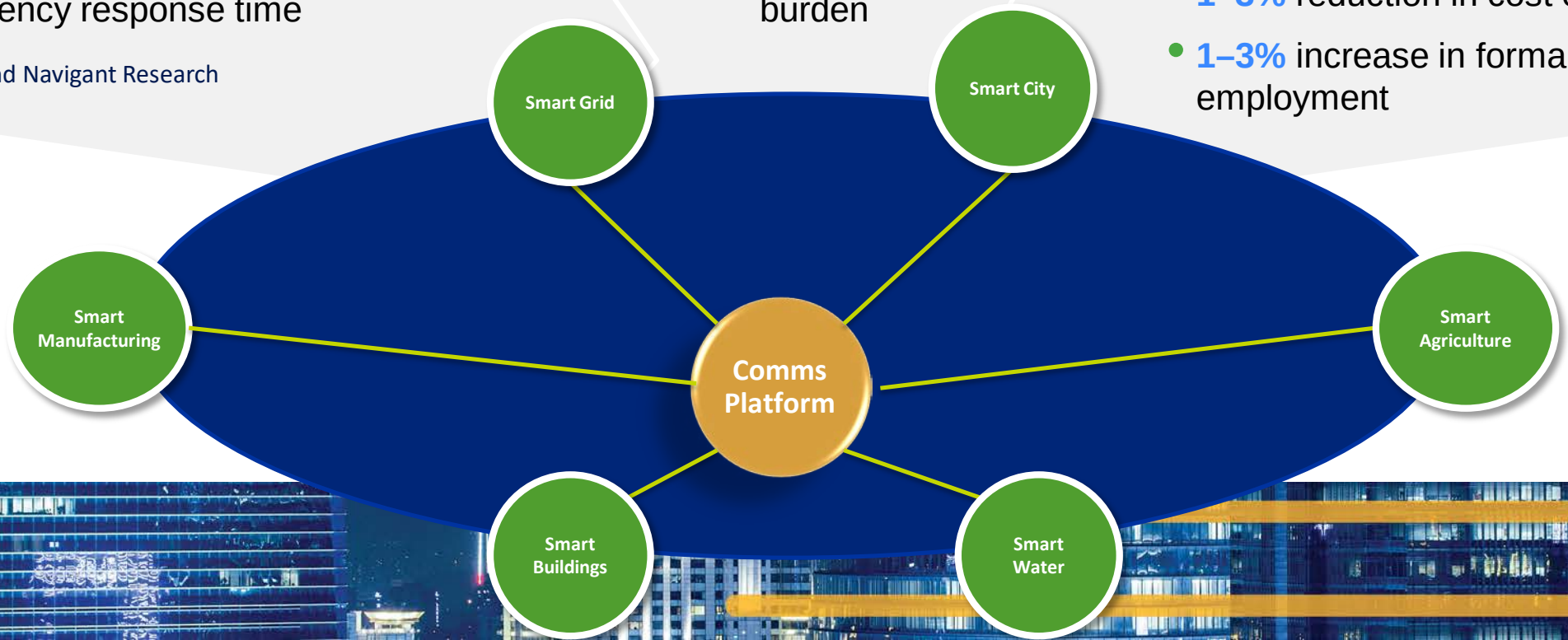
Sustainability

- **25–80 liters** of water saved per person per day
- **65–75%** energy savings with connected LED streetlights
- **8–15%** lower disease burden

Quality of Life

- **15–20%** reduction in commute time
- **45–65%** reduction in time spent interacting with healthcare and government
- **1–3%** reduction in cost of living
- **1–3%** increase in formal employment

Source: McKinsey and Navigant Research



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