

Smart cities and the Internet of Things

A look at the relationship between the Internet of Things, smart cities, and the energy grid

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Producer

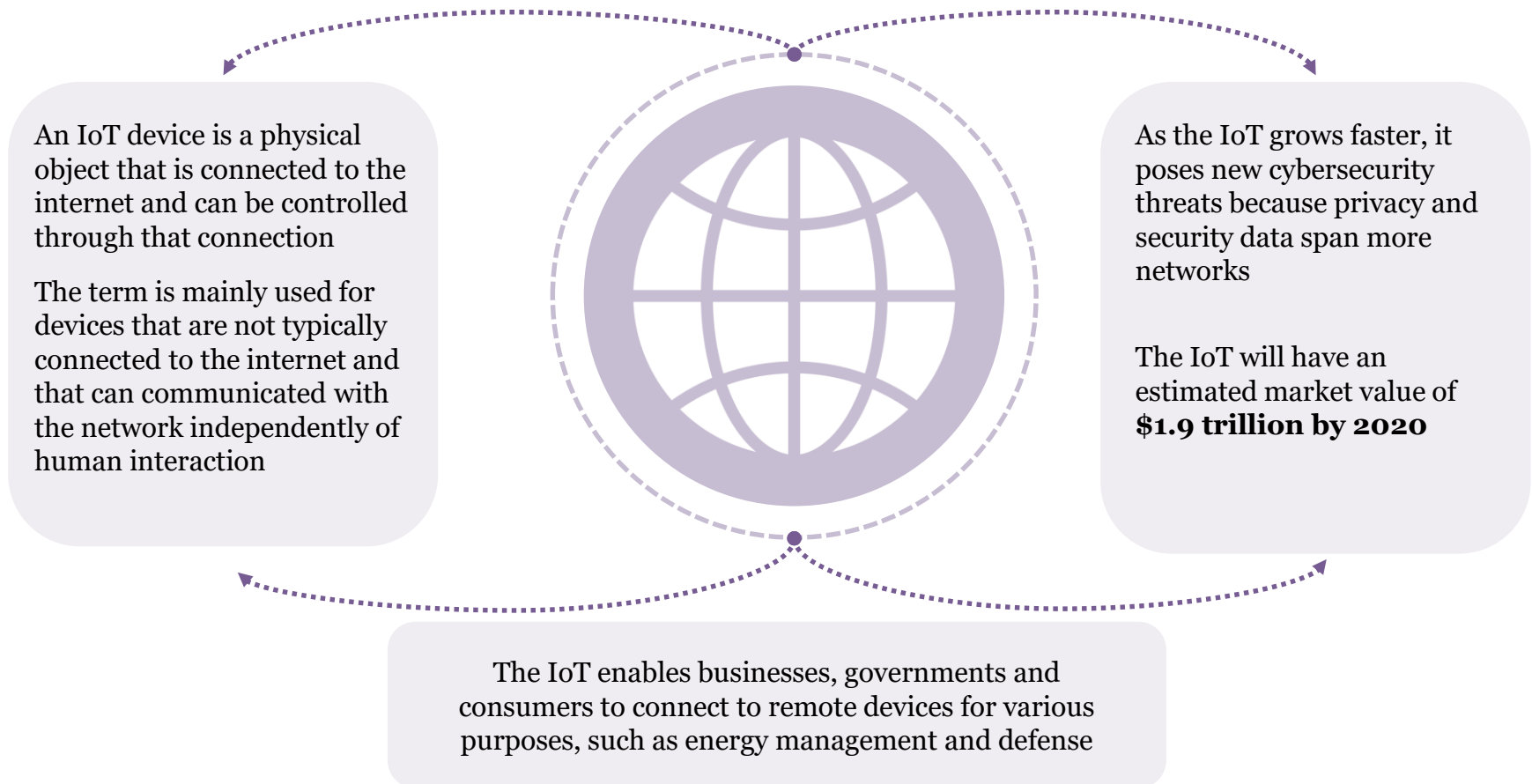
Christine Yan

Director

Alistair Taylor

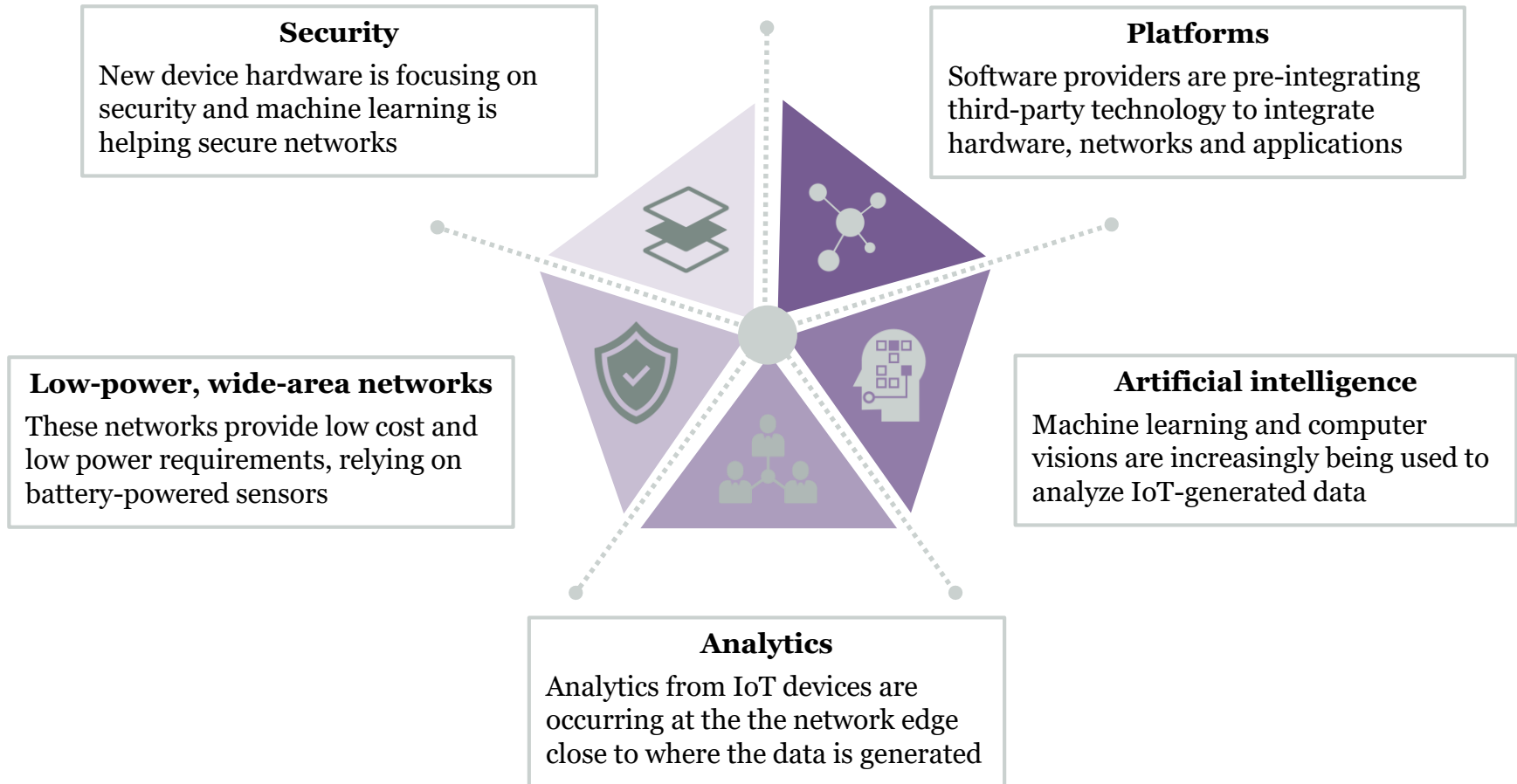
Overview of the “Internet of Things”

The IoT refers to the network of data-sharing devices connected to the internet



Sources: U.S. Department of Energy, “Internet of Things-enabled Devices and the Grid.”

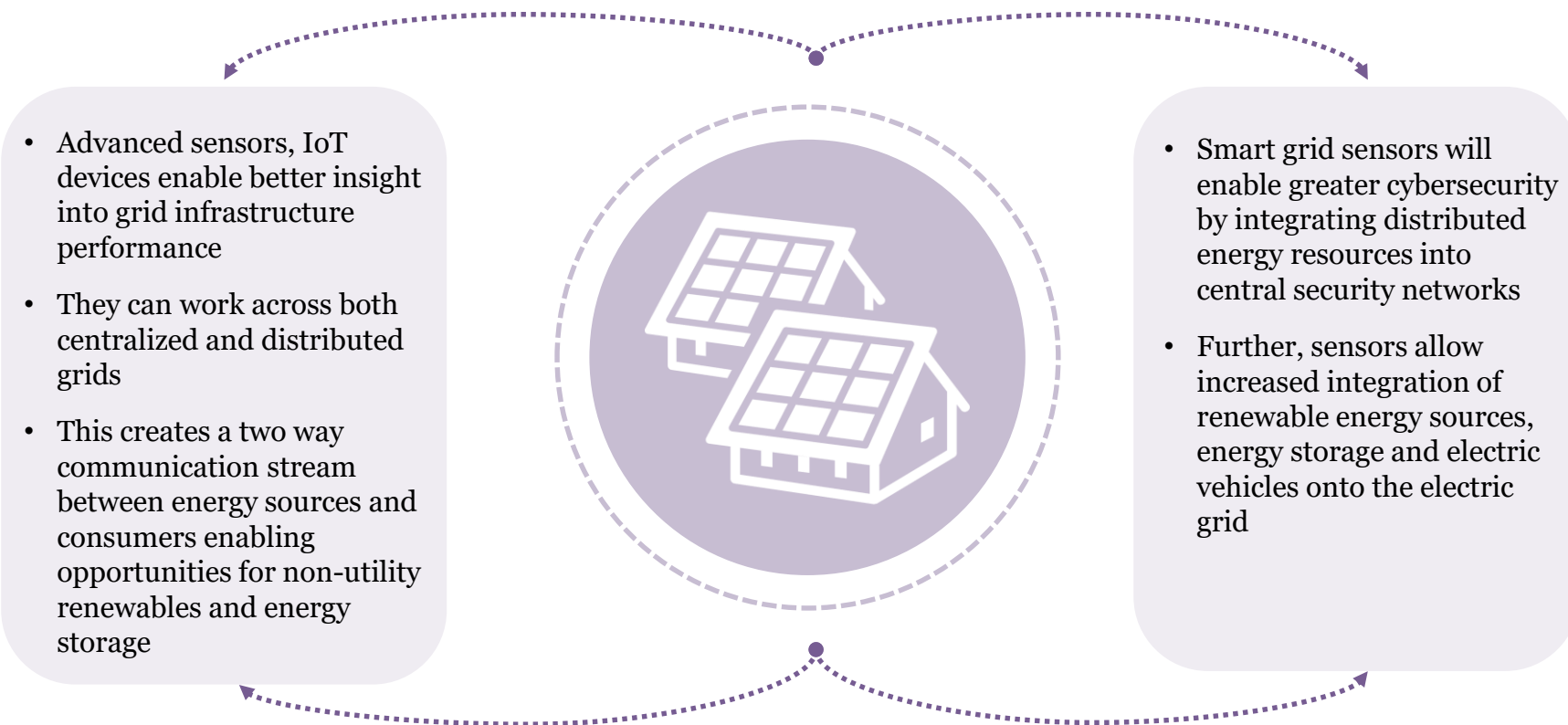
Factors shaping the Internet of Things



Sources: U.S. Department of Energy, "Internet of Things-enabled Devices and the Grid."

The Internet of Things and the electric grid

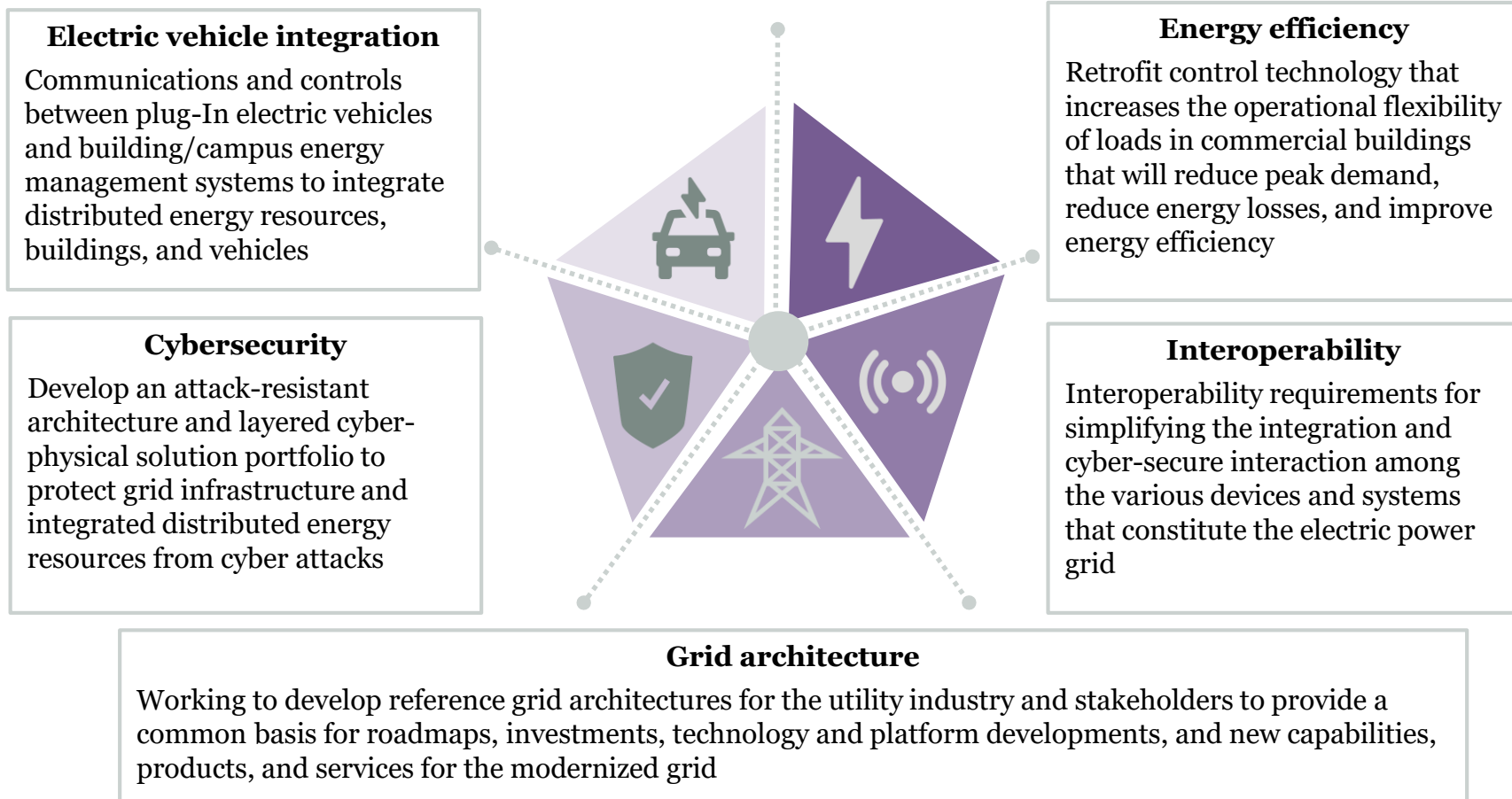
Two-way communication has been a key component of grid modernization efforts



Sources: U.S. Department of Energy, "Internet of Things-enabled Devices and the Grid."

The Internet of Things and the electric grid

DOE projects on using IoT devices for grid modernization



Sources: U.S. Department of Energy, "Internet of Things-enabled Devices and the Grid."

Top 10 smart cities

EasyPark 2017 Smart Cities Index



Sources: EasyPark, 2018.