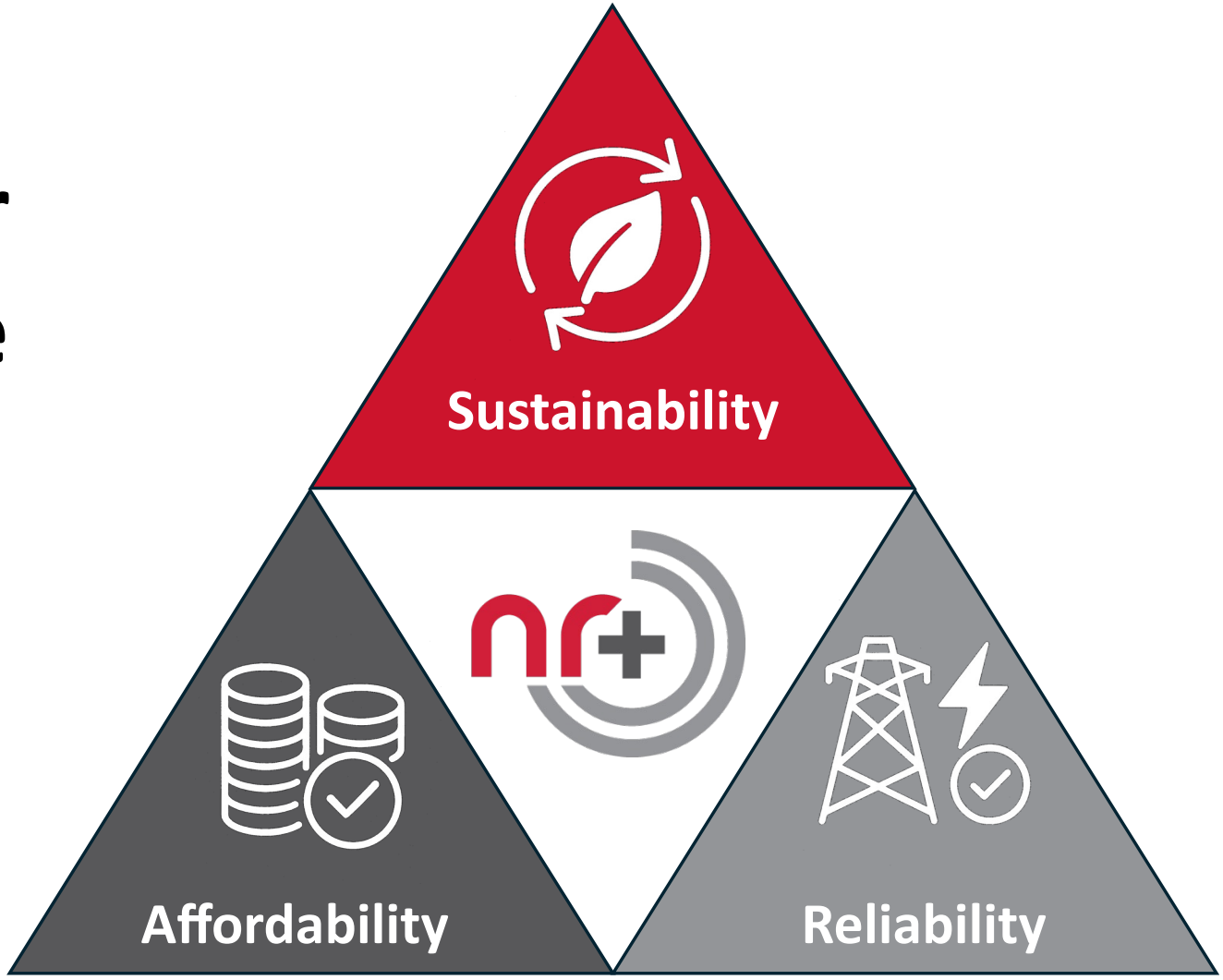
# What is nr+

- Recognized open standard for non-cellular 5G
- For RF mesh implementation
- Low cost, ultra-reliable massive machine type communication

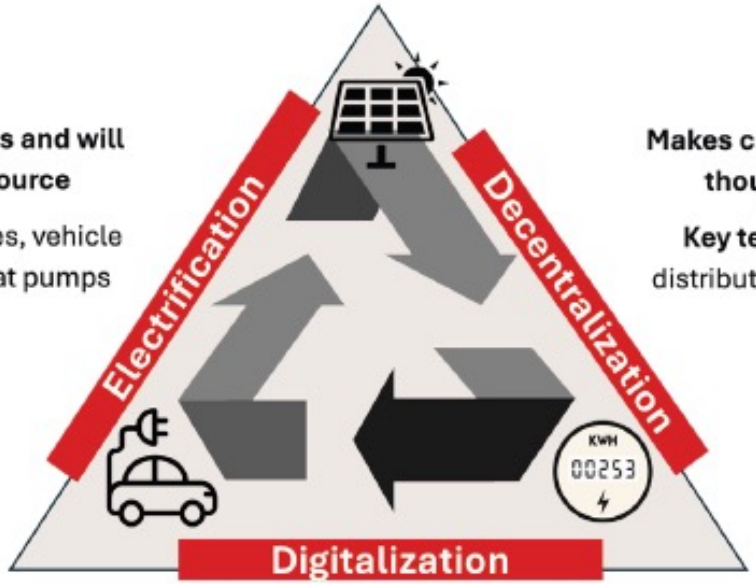
# Resilient connectivity for smart grid edge



# What is happening in the world out there

**Critical to long-term carbon goals and will be a relevant distributed resource**

**Key technologies**: Electric vehicles, vehicle to grid/home, smart charging, heat pumps




**Makes customers active elements of the system, though requires significant coordination**

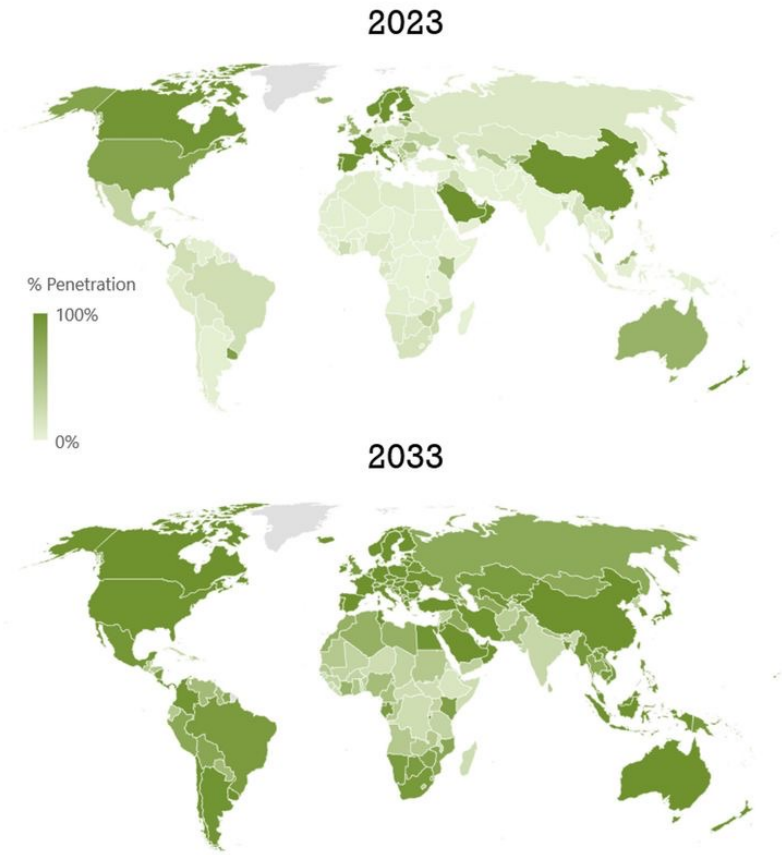
**Key technologies:** energy efficiency, solar PV, distributed storage, microgrids, demand response.

**Allows for open, real-time, automated communication and operation of the system**

**Key technologies:** Network technologies (smart metering, remote control and automation systems, smart sensors) and beyond the meter (optimization and aggregation platforms, smart appliances and devices, IoT)

Source: World Economic Forum Model

# Smart Metering market opportunity




- **Massive addressable base**:
  With ~1.15 billion electricity smart meters installed today and a trajectory toward ~2.1 billion by 2033, connectivity solutions touch one of the largest IoT device fleets worldwide.

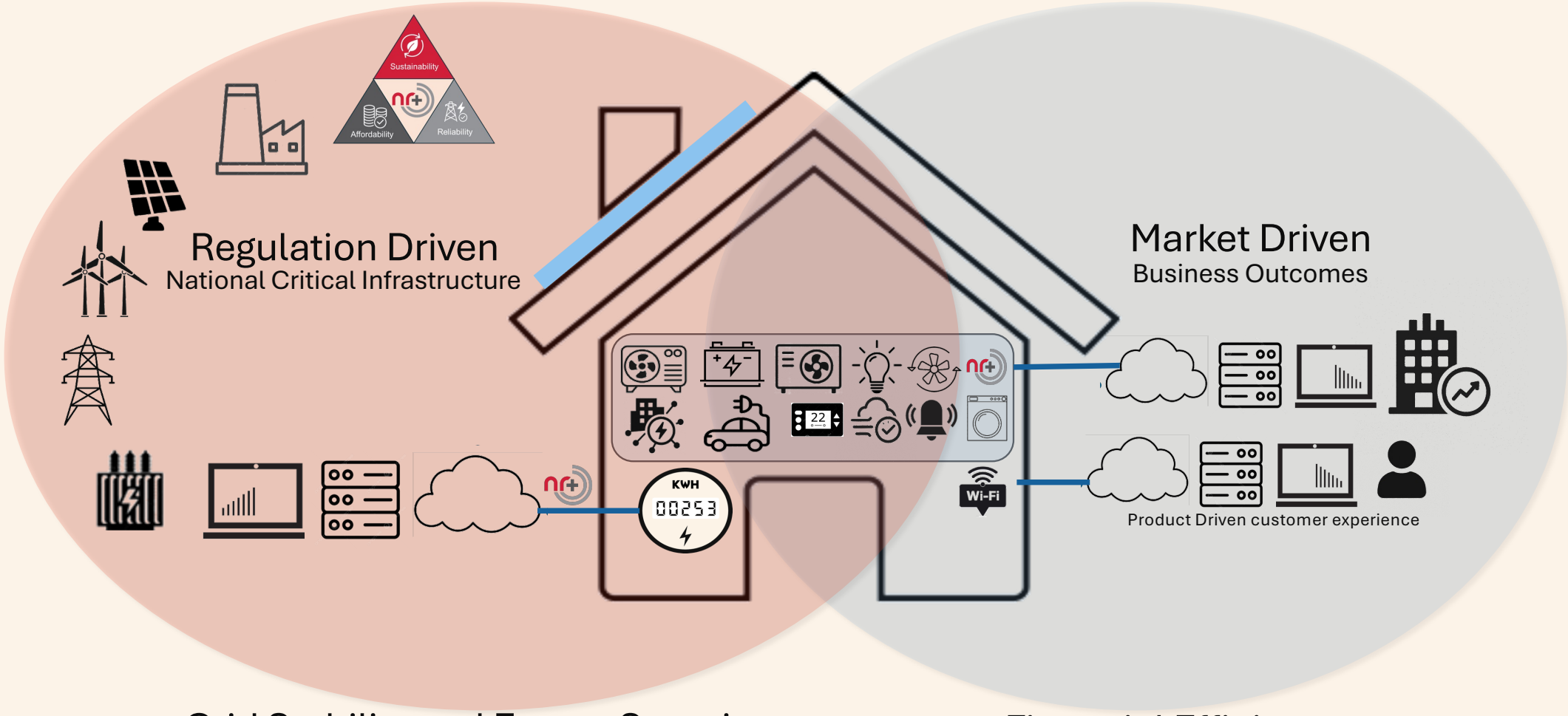
- **High density of residential endpoints**:
  Around 1 billion residential smart electricity meters already online (≈ 89 % of installed base), set to nearly double to 1.9 billion—a connectivity market with scale, recurring upgrades, and predictable demand.

- **Regional rollout momentum**: EU-wide mandates, India's massive annual tenders, and North America's continued AMI expansion ensure sustained growth in connectivity deployments across geographies.

- **Gateway to energy data services**: Each connected meter becomes a node enabling real-time consumption insights, demand response, and grid flexibility markets—turning connectivity into a strategic enabler for utilities and tech providers.

# Building and Grid have different business designs

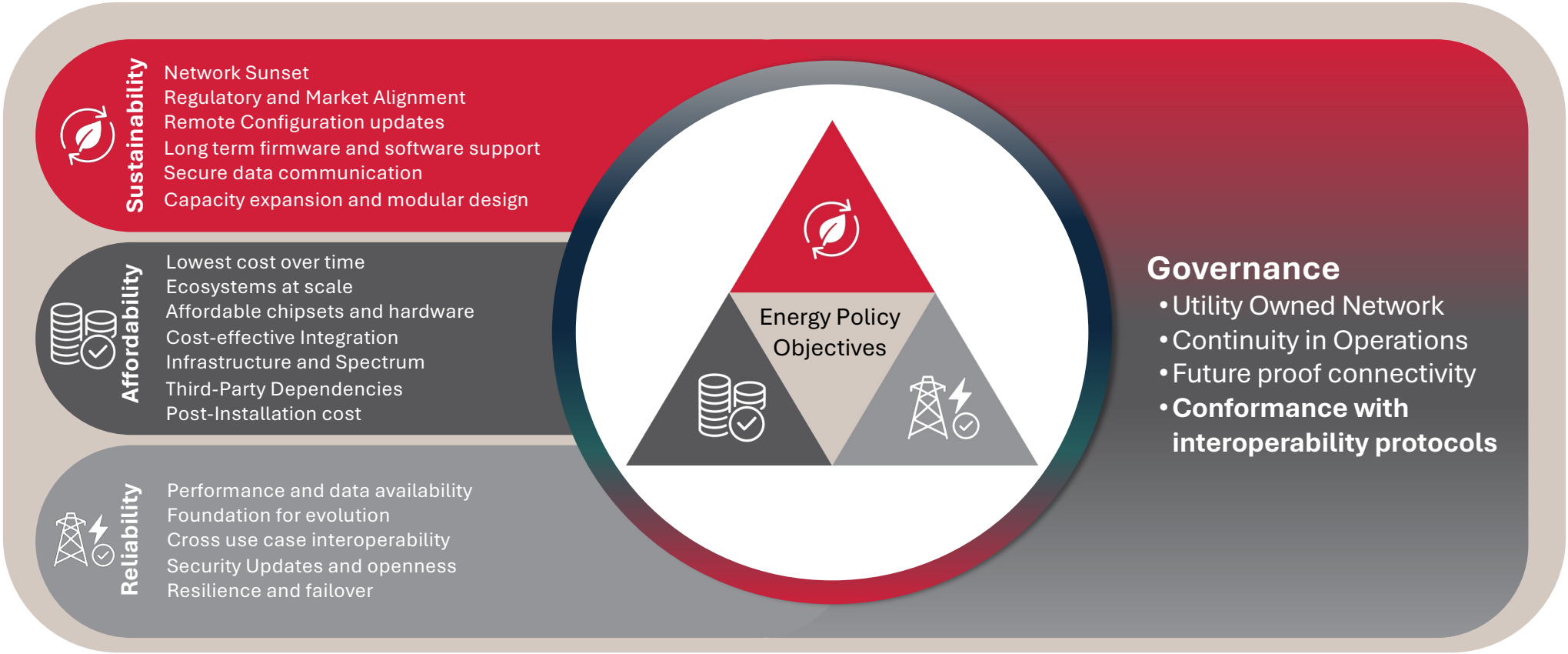
Wirepas




Grid Stability and Energy Security

Financial Efficiency

# Matching UseCases and KPI



# NR+ RF mesh smart meter connectivity is available today.


Sustainable. Reliable. Affordable.