

# **Enabling Emerging Markets Battery Storage Acceleration**

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# Energy Transition Challenges in Developing & Emerging

**Lack of reasonably priced Finance:** EM & DM have skewed capital allocation in addition to high cost of capital – *Capital reallocation*

**Expensive and unsustainable Energy Mix:** Fossil Fuels & Expensive contracts

**Long Term PPAs:** Renegotiate agreements

**Base Load Challenges:** Decarbonizing energy sources and overcoming prevailing inertia

**Lack of appropriate instruments to make projects bankable :** Identifying new investment instruments (Including blended finance)

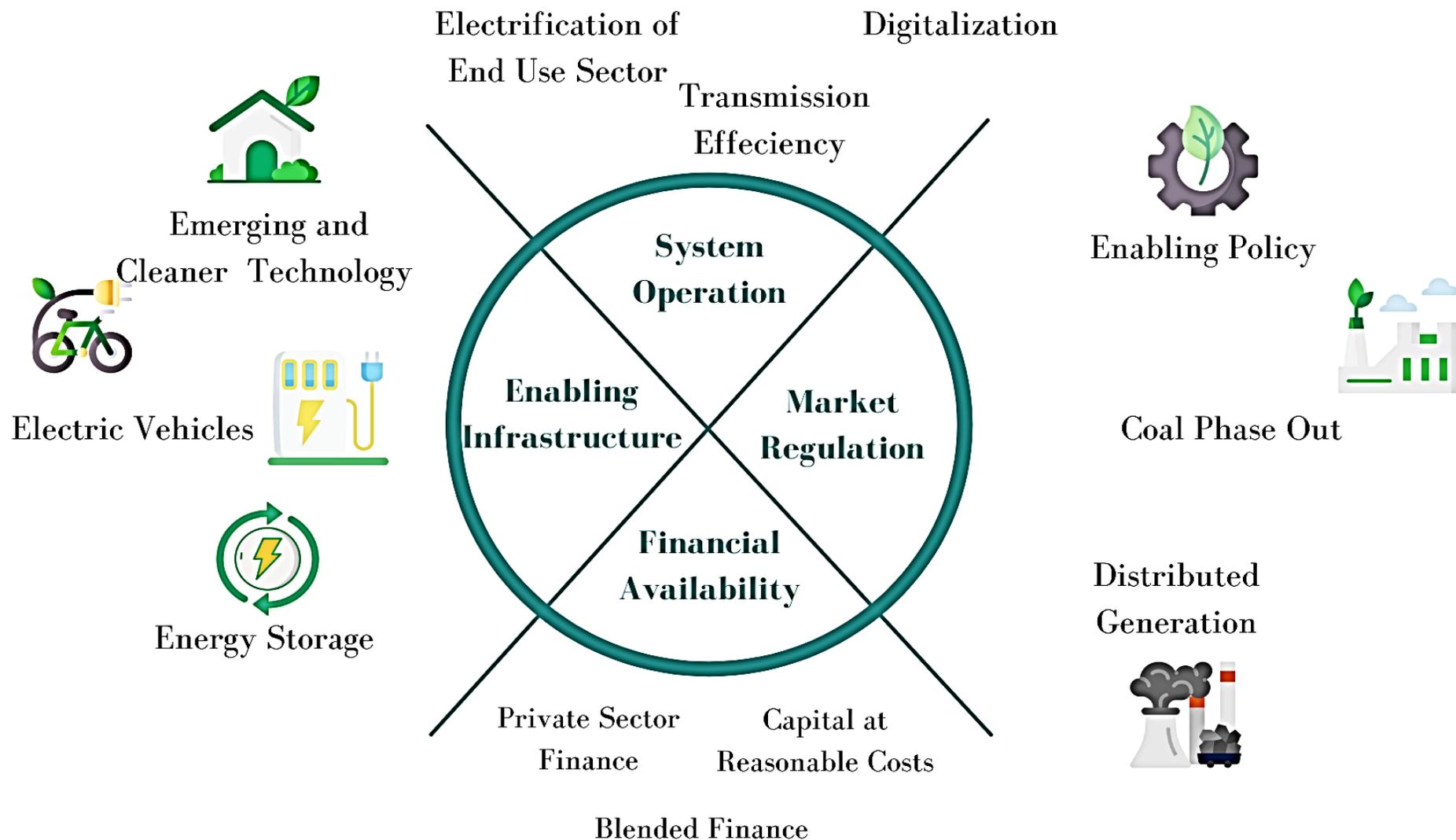
*Finding a middle ground....!!*

# Sustainable Finance Enablers

## *Cross Sector & Stakeholder Collaboration*

- **Government/Country Level Commitment** – *NDCs, RE policies, EV policy, incentivizing energy efficiency*
- **Policies Enabling Financial Products** – *Green finance, carbon credits*
- **Stakeholder's Awareness and Commitments**
- **Reporting, Disclosures & Monitoring** – *sustainability standards, PRI, etc*
- **Large Scale Renewable Energy Adoption**
- **Investment in Green Technology:** *EVs, energy efficiency equipment & Storage*
- **Large scale ESG push**
- **End to End planning:** *Production, job creation, market development, waste management, etc*

# Energy Transition Landscape



# Emerging Markets Battery Storage Acceleration

*De-carbonizing investments in 2020 were USD 510 B, but most towards wealthier countries - CIF*

Global Population without electricity +700 Million, [World Bank](#)

Energy storage installations around the world will reach a cumulative **358 gigawatts/1,028 gigawatt-hours** by the end of 2030

This boom in stationary energy storage will require more than **\$262 billion** of investment, [BNEF](#)

[Sustainable battery scale is a strong solution](#)

FIGURE 1: GLOBAL ENERGY STORAGE INSTALLATIONS, 2020 AND 2030

