



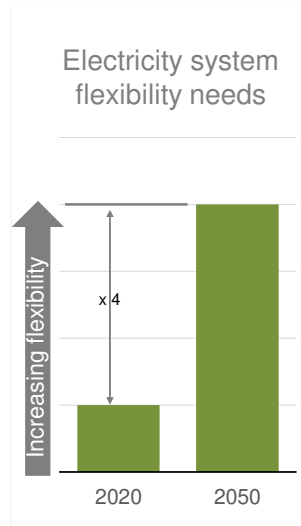
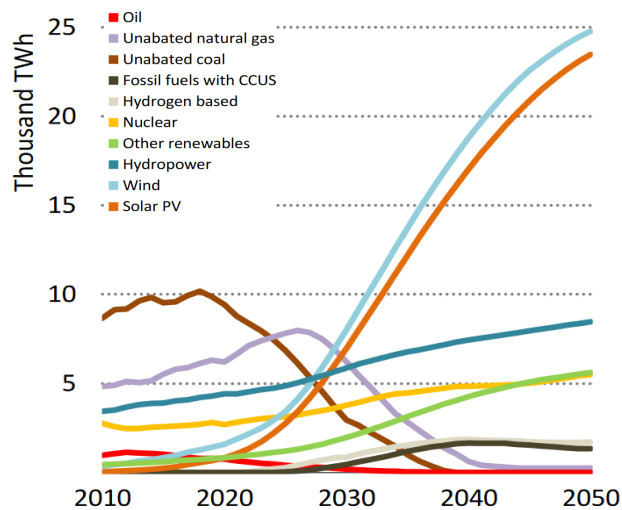
Unlocking the Flexibility of Buildings and Communities

Thomas Ramschak

Flexibility requirement

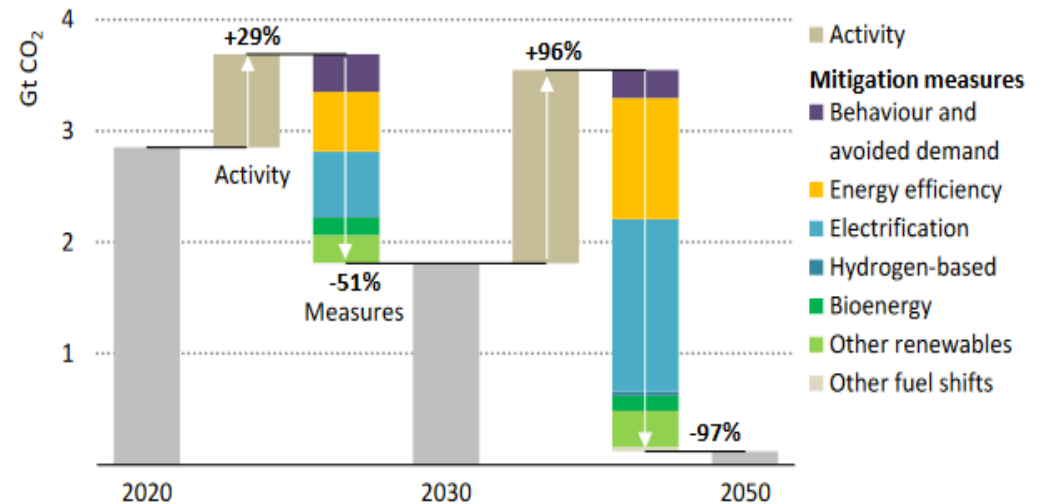
EU power system is evolving rapidly

Climate neutrality by 2050 will require increased energy system flexibility, as a result of **increasing share of renewables (RES)**



Energy and emission trends in the building sector which specifically drive flexibility needs

Energy efficiency, electrification and behaviour changes are main drivers of decarbonization of the building sector



New prosumers expectations

Common barriers to flexibility provision and potential options

Need for Incentives

- **Cost-reflective tariffs** for flexibility resources (behaviour change); requirement for incentive-based activation of flexibility resources
- **Grid related incentives** for flexibility usage

Mitigate Climate Change

- **Active market (community) participation** - make processes and information flows for the provision of flexibility easy to understand and accessible to non-expert parties

Take advantage of home IoT

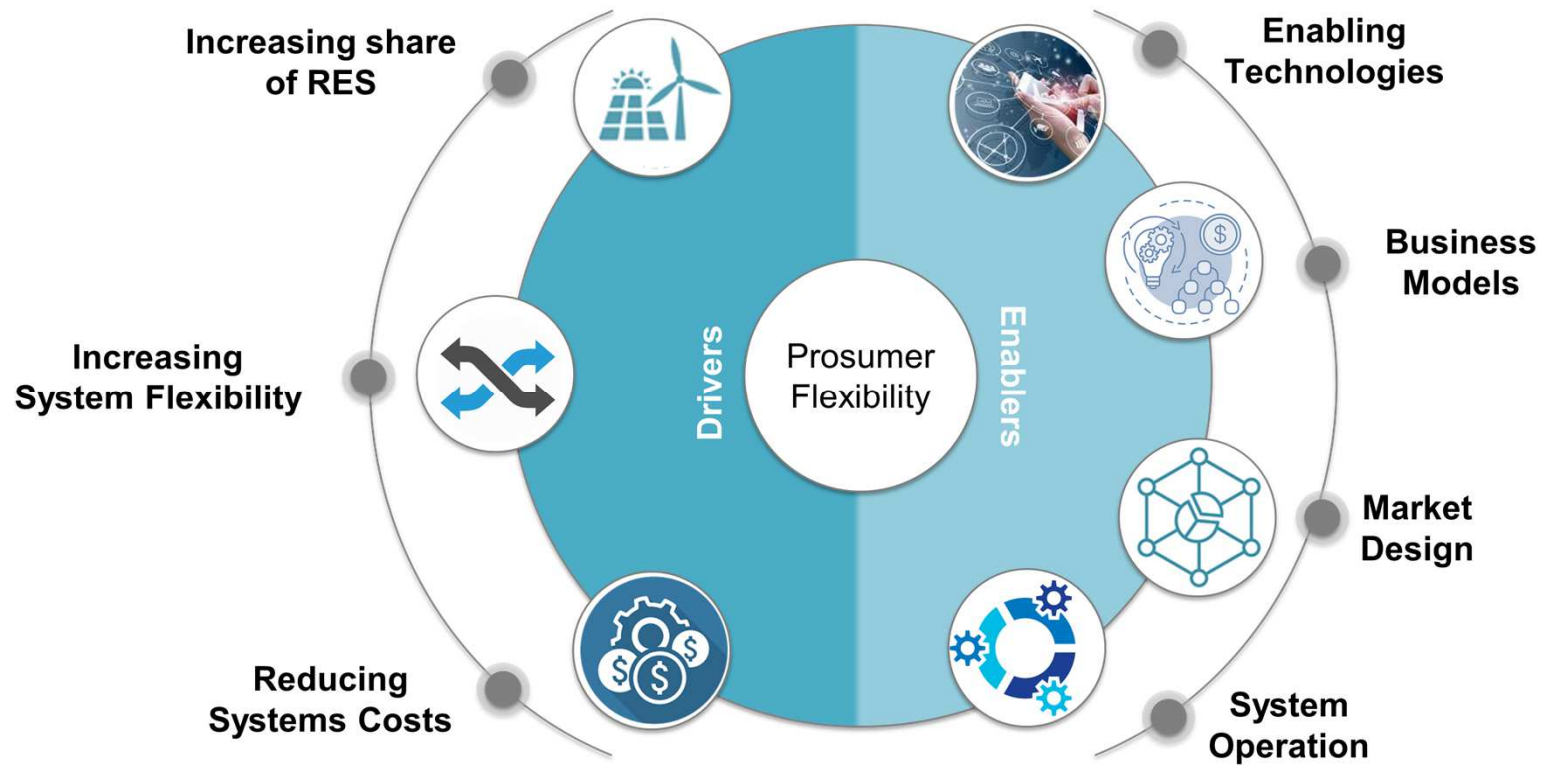
- **Benchmark my energy use** and participate in the most appropriate markets

Become resilient

- **To be prepared** against extreme events (weather, geopolitical)



Changing Landscape





AEE INTEC

IDEA TO ACTION

AEE – Institute for Sustainable Technologies (AEE INTEC)
8200 Gleisdorf, Feldgasse 19, Austria

Website: www.aee-intec.at
Twitter: [@AEE_INTEC](https://twitter.com/AEE_INTEC)

Thomas Ramschak
t.ramschak@ae.at
+43 (0)3112 5886-225