



Regional experiences in industrial energy efficiency



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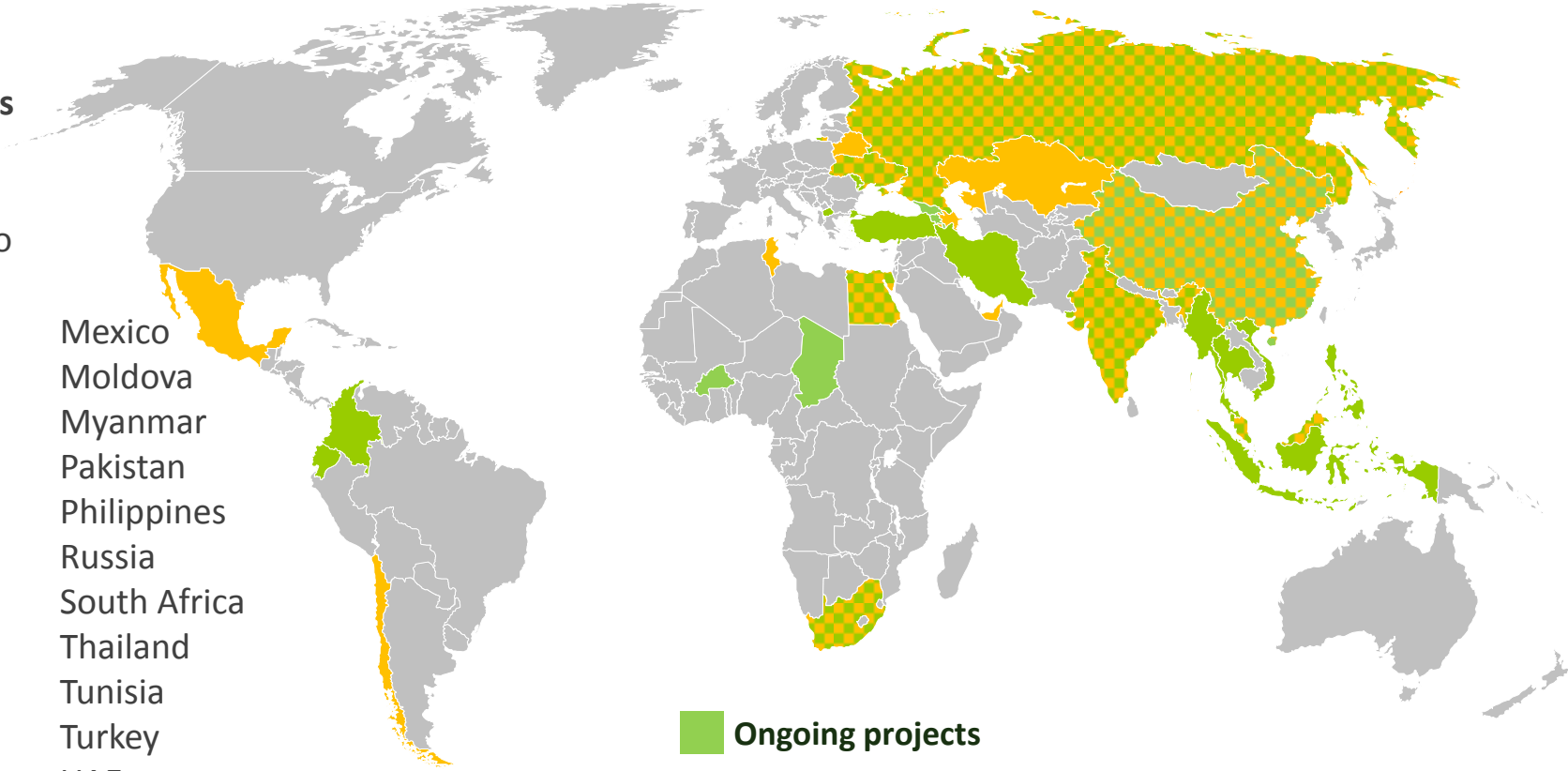



UNIDO Industrial Energy Efficiency Portfolio


As of Dec 2016

30 Countries

- Armenia
- Belarus
- Burkina Faso
- Chad
- Chile
- China
- Colombia
- Ecuador
- Egypt
- Georgia
- Kazakhstan
- India
- Indonesia
- Iran
- Macedonia
- Malaysia
- Maldives
- Mexico
- Moldova
- Myanmar
- Pakistan
- Philippines
- Russia
- South Africa
- Thailand
- Tunisia
- Turkey
- UAE
- Ukraine
- Viet Nam



 **Ongoing projects**

 **Planned activities**



Industrial Energy Efficiency takes....



Industrial Energy Efficiency in the LAC Region

Regional Programmes/Projects

- GCF – IADB Programme: Energy Efficiency Green Bonds in Latin America and the Caribbean
- Base de Indicadores de EE (BIEE) Programme
- Programme para America Latina y el Caribe de Eficiencia Energetica (PALCEE)
- Latin American and The Caribbean Network for Energy Efficiency (RedLacEE)



Industrial Energy Efficiency in EE & CA Region

Regional Programmes/Projects

- EBRD's Sustainable Energy Financing Facility
- IFC - Europe and Central Asia Sustainable Energy Finance Program
- EBRD's FINTECC (Finance and Technology Transfer Centre for Climate Change)
- UNDP Europe and Central Asia - Low emission development strategies
- EBRD - Regional Energy Efficiency Programme for the Western Balkans



Industrial Energy Efficiency in South-East Asia

Regional Programmes/Projects

- ASEAN Energy Efficiency and Conservation Sub-Sector Network
- Regional Energy Efficiency Programme South Asia
- ADB Industrial Energy Efficiency portfolio
- GEF-UNIDO Energy Management Standards and Energy System Optimization Programme



Industrial Energy Efficiency - Challenges



- Lack of leadership
- Training
- *“we are already the best”*



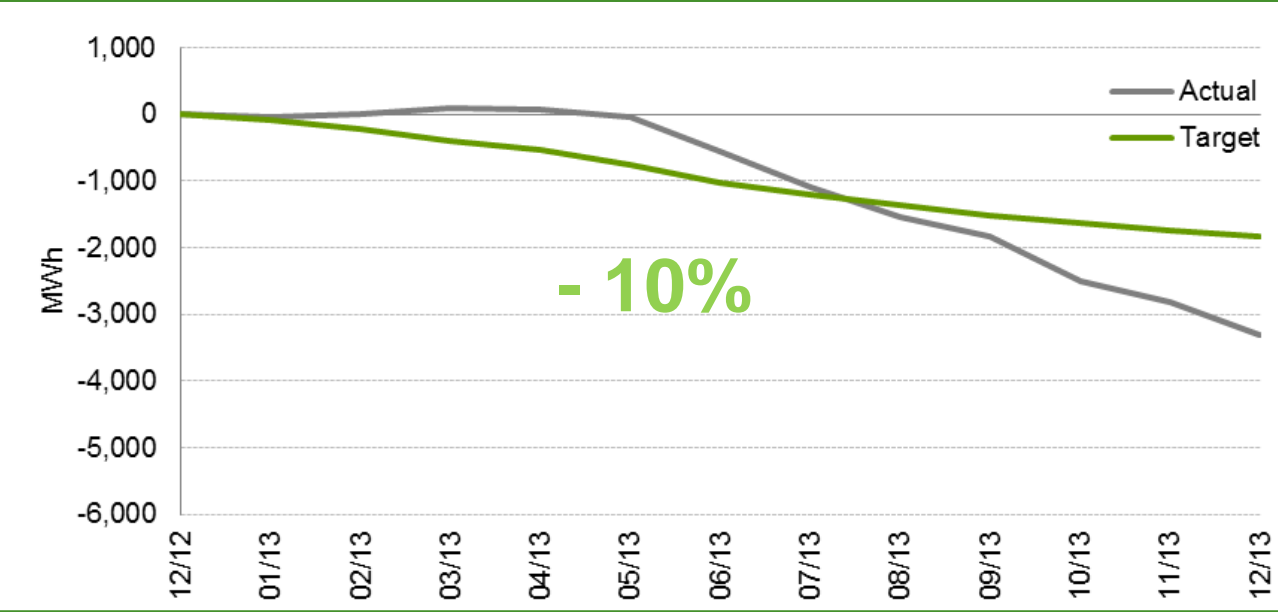
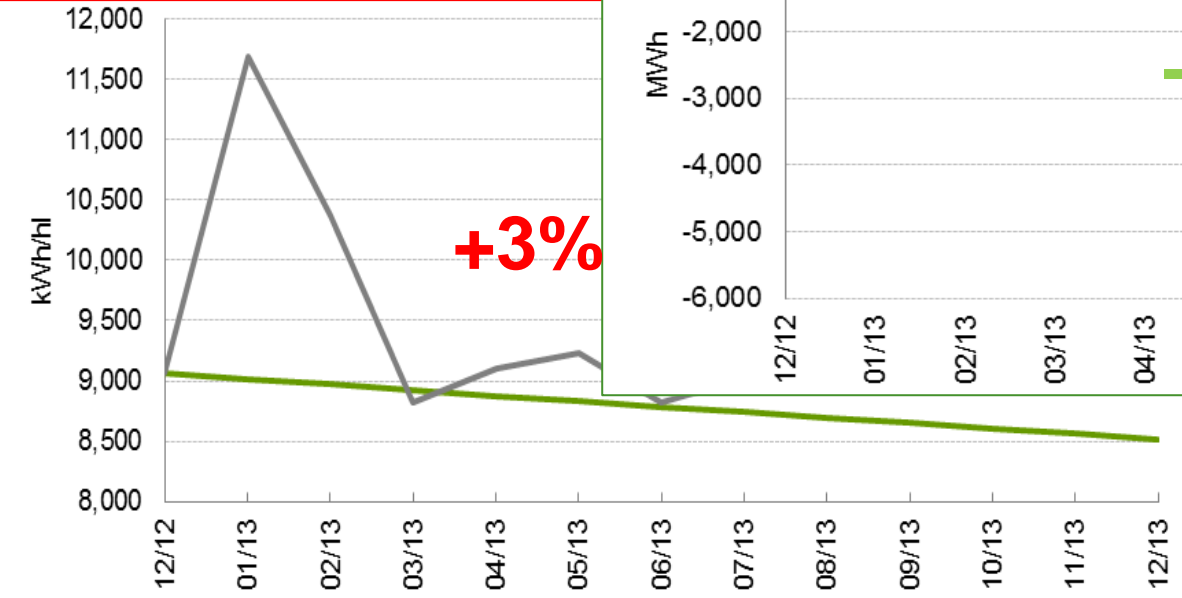
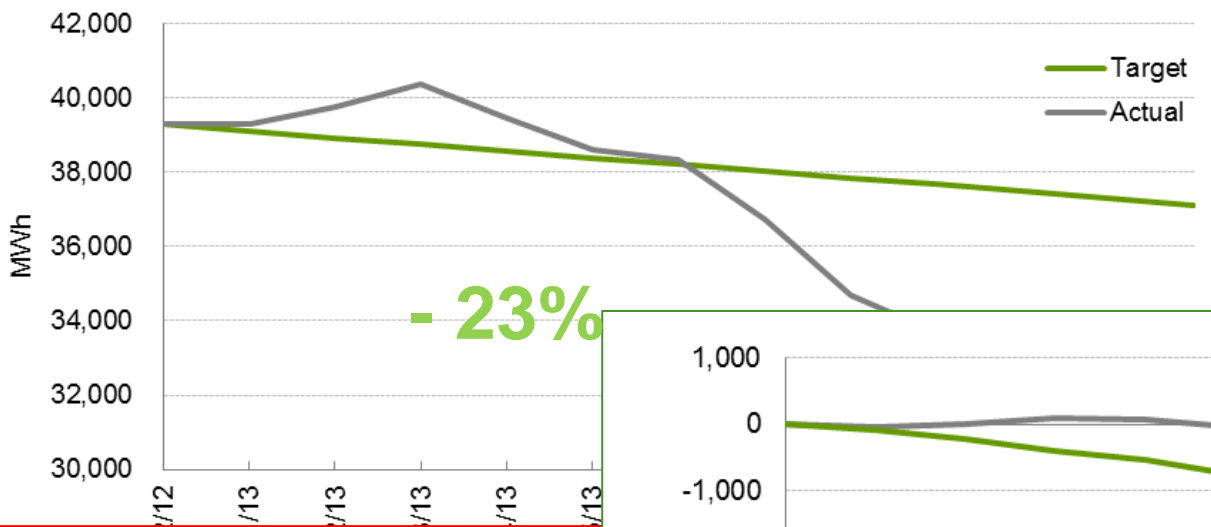
- Specific Energy Consumption (SEC) based goals
- Lack of tools
- *“we already know this”*



- Technical knowledge
- *“we have no money”*



Measuring energy performance Different views and different purposes



Drinks industry



IEE – Key issues to be addressed

- **Improve alignment at policy level**
 - ✓ Policy push and market pull
 - ✓ Development and implementation
 - ✓ Targets – Action Plans – Measurement

- **Increase capacity building**
 - ✓ Policies
 - ✓ Operation of technologies
 - ✓ Performance measurement
 - ✓ Financial appraisal integrating technical and financial knowledge



THANK YOU!

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Causes of variation in energy consumption

