

MED TEST II: RESOURCE EFFICIENCY IN THE LEBANESE INDUSTRY.

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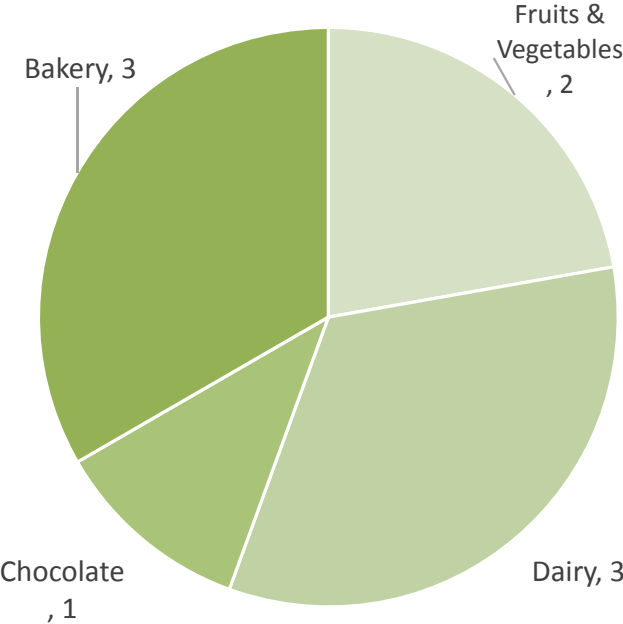


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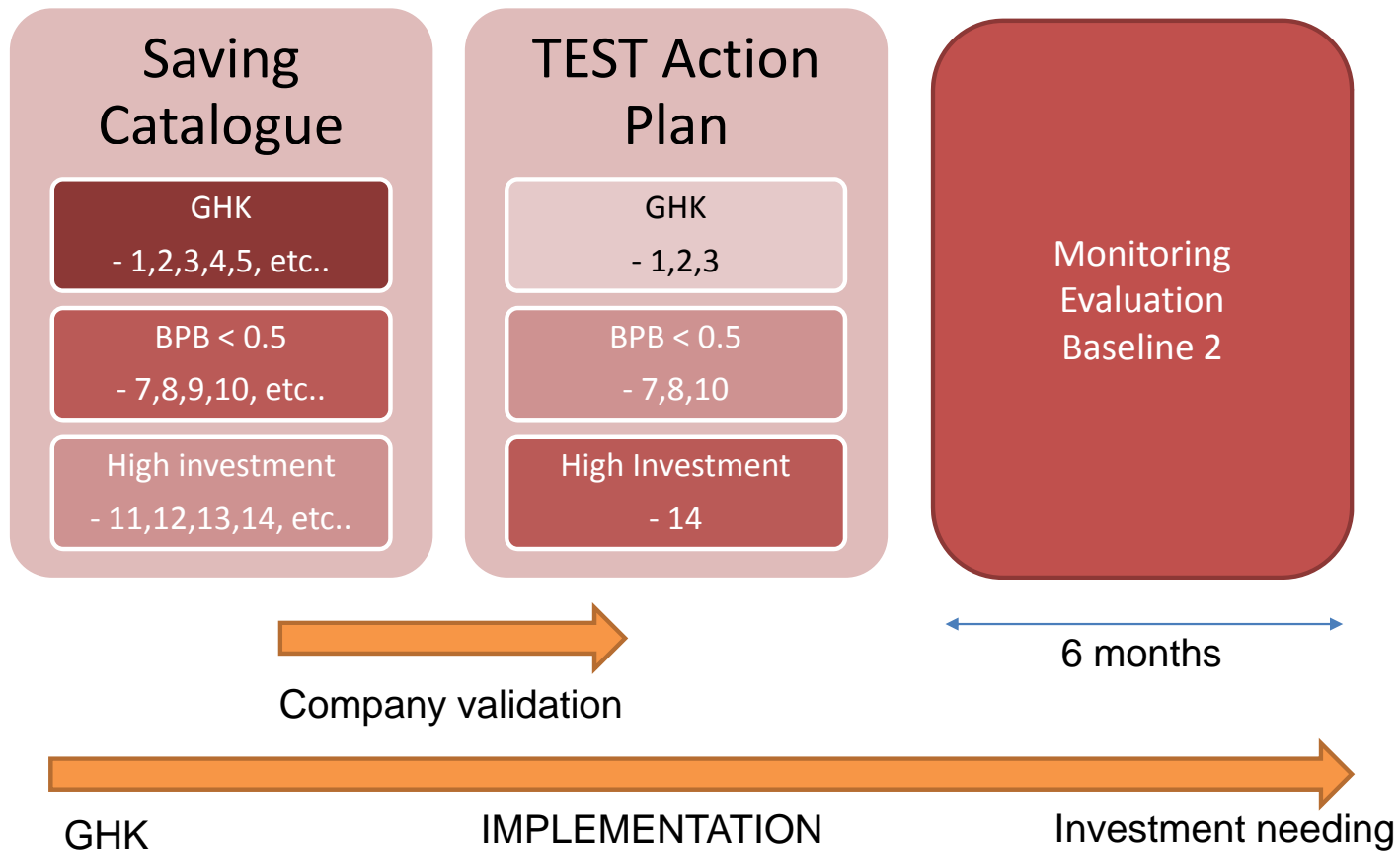


Key facts - LEBANON

- **Our partners:** Industrial Research Institute (IRI)
- **10 service providers** (consulting sector)
- **9 industry demonstrations**
- **Food Sector**

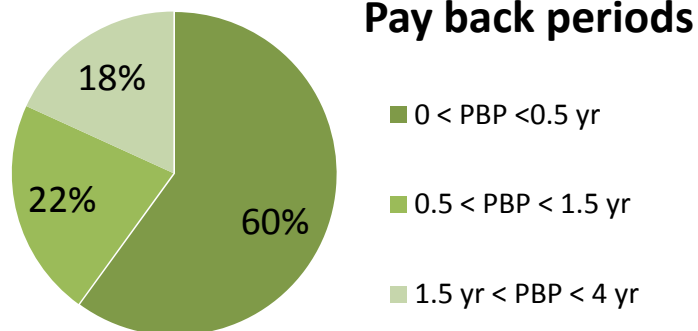


Industry Demonstrations - UNIDO TEST Approach



Business case for RECP – Med TEST II in LEBANON

- Metering and information system: 470 meters for water & energy installed at 85,000 Euro
- TOTAL 109 measures identified
- **Total savings: 1.85 M USD**
- **Total investment: 1.52 M USD**



Resource savings
13 GWh/yr
600 tons raw materials
55,000 m³ year

Business case for Resource savings

Company	Company	Measure	Investment	PBP		Saving
ENERGY	Chamsine	Heat recovery Arabic bread tunnel oven	33,750 USD	1.9 yrs		484 tons CO2
WATER	BACH Snack	Closed cooling system for vacuum pumps	20,000 USD	Actual water price	3.3 yrs	24,000 m3 water x yr
				1ct x lt	0.2 yr	
RAW MATERIALS	SKAFF Dairy	Product loss due to returns from clients	0	0		10,000 USD per yr

Conclusion

- RECP viable business case in Lebanon, significant potential
 - 12 ct USD invested per Kwh reduced
- Most important result of the project:
 - all industry installed monitoring and information system for resource efficiency
 - Capacity build in service providers
 - Policy dialogue to set up incentives for RECP (legislative, incentives, financial)
- Next step: dissemination event, endorsement of scaling up roadmap



Name of the speaker, email (additional information)

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