

10<sup>th</sup> April 2018

Venue – Jamnagar Factory Owners Association

# FIRST TRAINING PROGRAM

CAPACITY BUILDING OF LOCAL SERVICE PROVIDERS IN JAMNAGAR  
BRASS CLUSTER UNDER BEE – UNIDO – GEF PROJECT



# CII - Sohrabji Godrej Green Business Centre, Hyderabad

1550  
ENERGY AUDITS

1000+  
Training Programs

4028  
Green Buildings



100+  
Green Rated  
Companies

150  
Green Products

Worked with more  
than 1000 SMEs

“Centre of Excellence” for Energy, Environment, Green Buildings,  
Renewable energy & Climate change activities in India

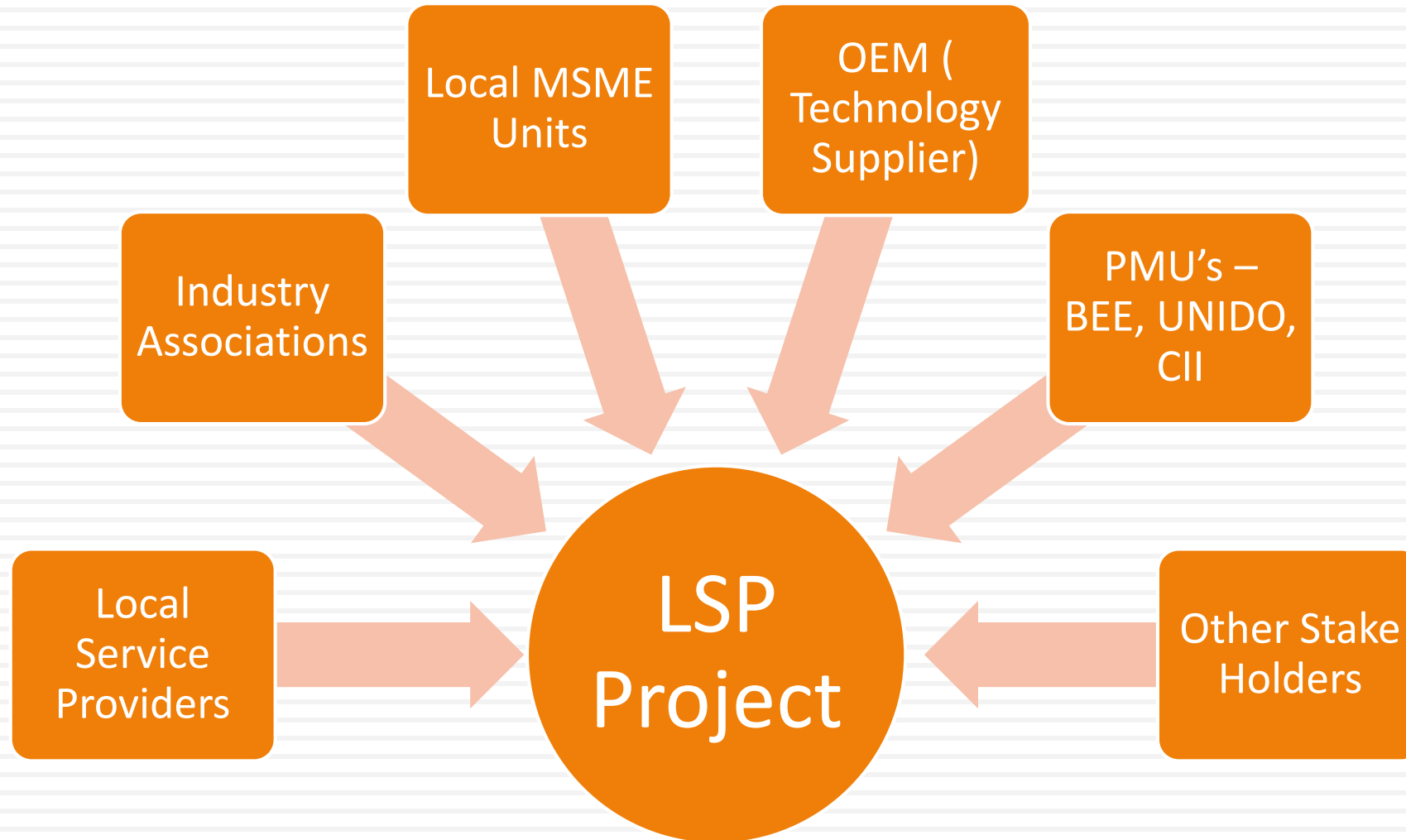
# PROJECT BACKGROUND & OBJECTIVE

- ❖ GEF funded project done by BEE in collaboration with UNIDO – Promote EE/RE in selected MSME clusters
- ❖ Project to be done in 12 clusters
  - ▣ CII Engagement in Gujarat & Sikkim Dairy, Jamnagar Brass, Jalandhar & Nagaur Hand tool
- ❖ Project Contract signed on 16<sup>th</sup> August 2017
  - ▣ 8 Month Project until July 2018

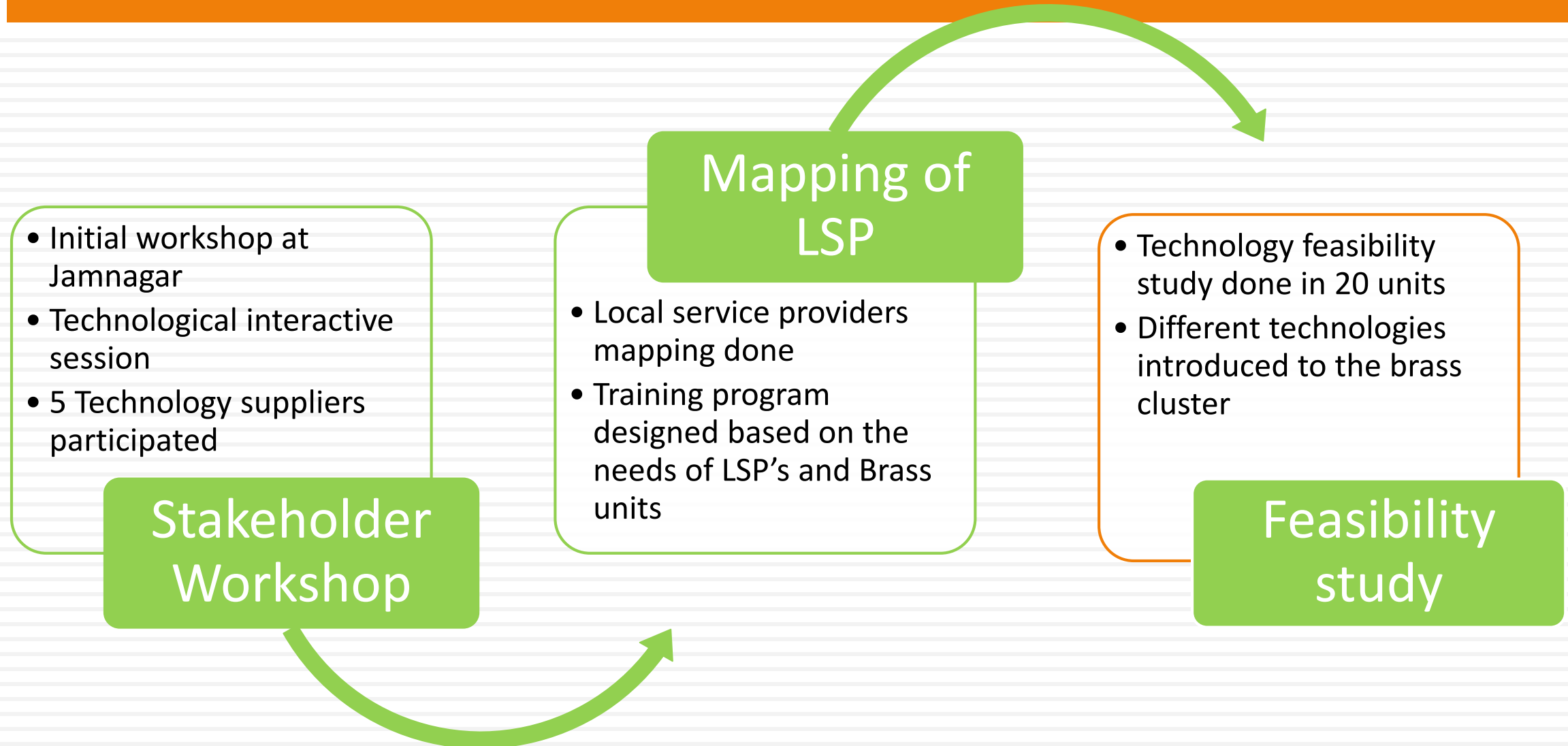
## Project Objective

- ❖ Increase the capacity of suppliers of EE/RE product suppliers/ service providers/ finance providers.
- ❖ Increase the level of end-use demand and implementation of new EE and RE technologies and practices
- ❖ Strengthening LSP network & introducing new LSP's on innovative EE/RE technologies
- ❖ Identify opportunities for clean technologies within the cluster
- ❖ Improve the productivity and competitiveness of units

# PROJECT STAKEHOLDERS



# Activities so far



# Objective of Training program



Capacity building of LSP's on EE /RE products



Create demand of EE/RE technologies

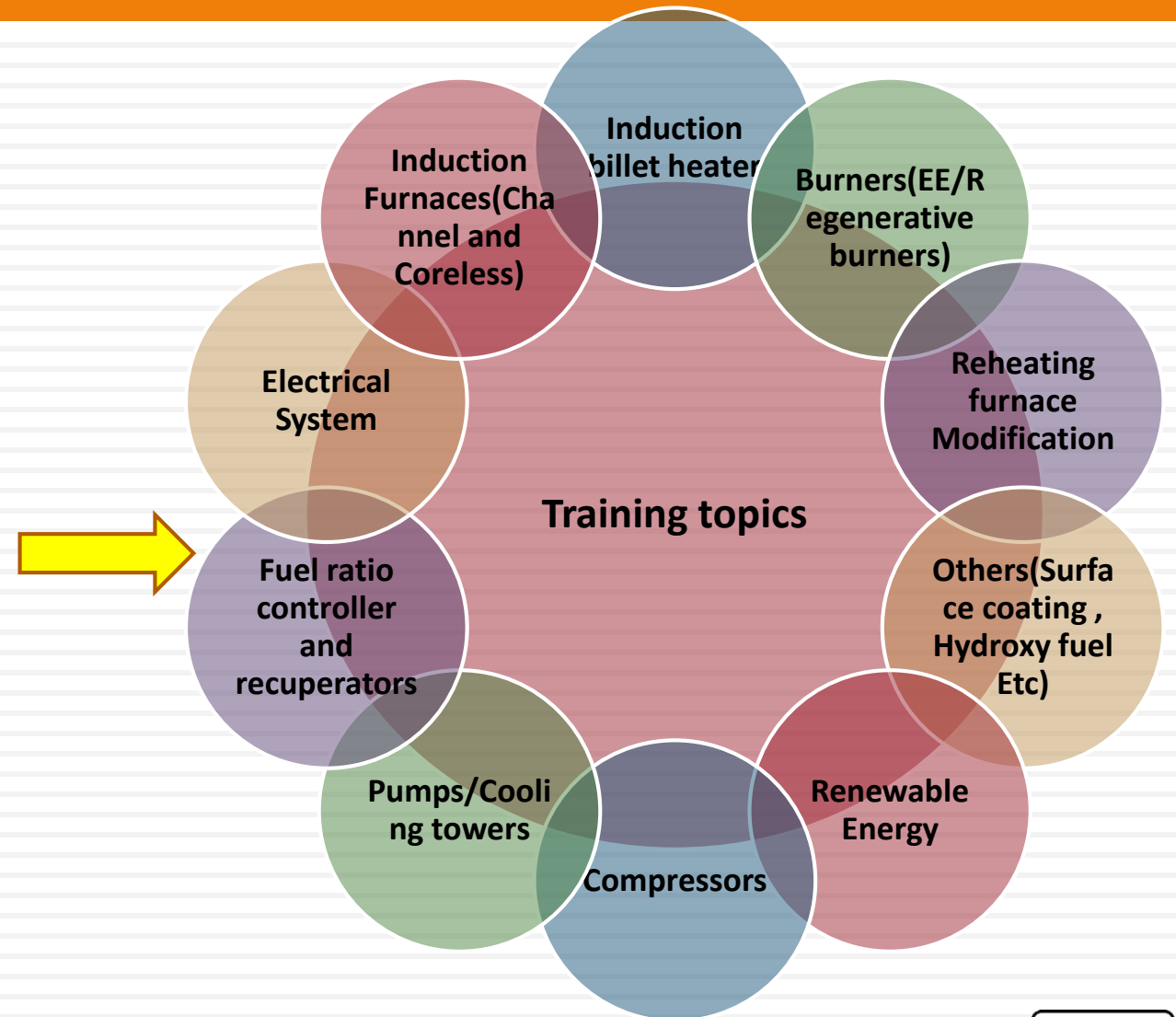
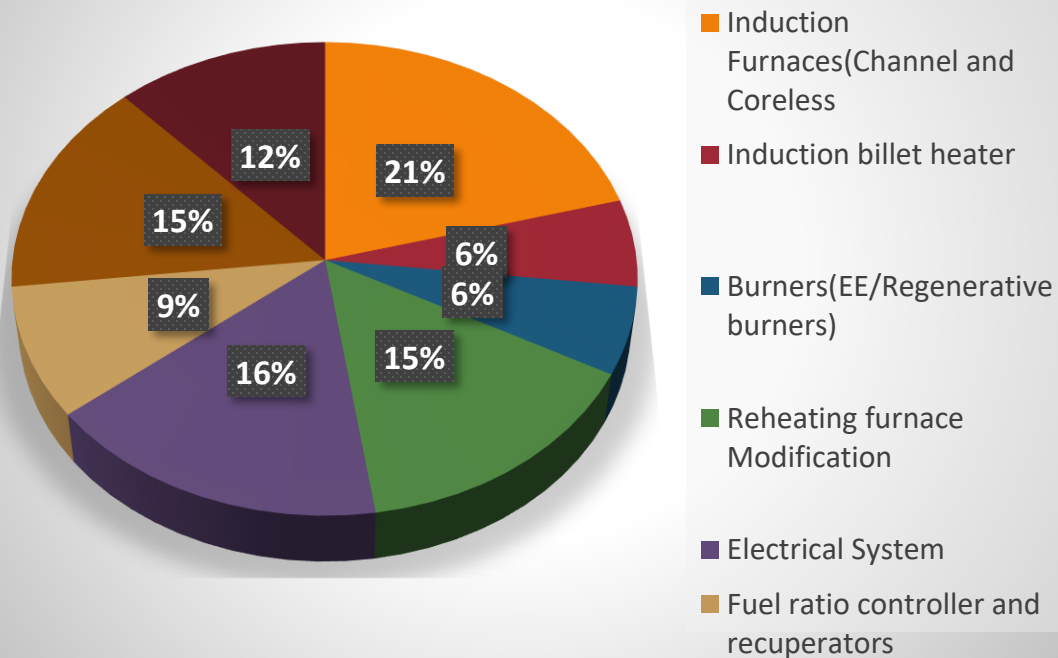


To make Jamnagar Brass cluster world class in Energy efficiency



# Training Assessment

## Survey on different training topics

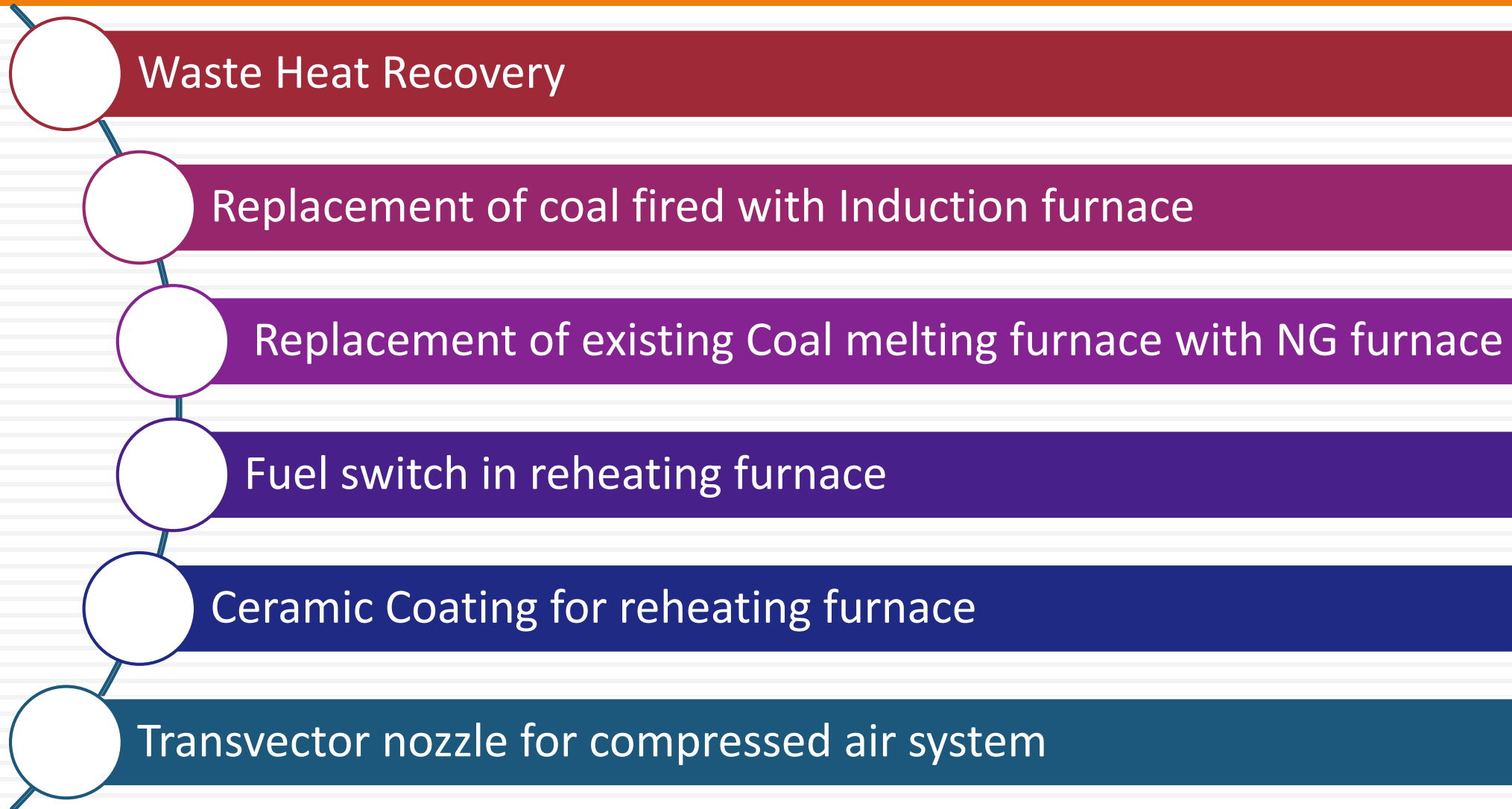


# Training Program





# Technologies Identified in cluster



# Technologies Identified in cluster



Fuel control system for reheating Furnace

Hydroxy fuel blending for reheating furnaces

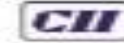
EE Burners/ Regenerative burners for NG fired furnaces

EE motors and pumps

# Anticipated Outcomes of Project

- **Creating the demand the Energy Efficiency and Renewable energy**
  - **Identification of key energy saving opportunities in the Units**
- **Identifying potential technology suppliers**
  - **Implementation of EE projects at Cluster faster**
  - **Capacity building of Local service providers**
    - **Making LSP's as registered service providers of OEMs**
  - **Help in maintaining a mutually beneficial framework of collaboration, innovation and trust**
- **Replicating project to other brass clusters of India**

# Agenda for Training Program



Confederation of Indian Industry

## Capacity Building of Local Service Providers Training Workshop - Thermal System

**Date:** 10<sup>th</sup> Apr 2018 | **Venue:** Jamnagar Factory Owners Association, Jamnagar

### Agenda

Registration: 0930hrs

#### 1000 hrs – 1100 hrs: Opening Session

1000 hrs	Welcome Remarks	Mr. Tulasai Bhai President Jamnagar Brass Factory Owner's Association
1010 hrs	Special Remarks	Mr. Parash Bhai Vadhar Head of Energy Management Cell Jamnagar Brass Factory Owner's Association
1020 hrs	About LSP Project	Mr. Jasbir Singh Associate Counsellor CII – Godrej OBC
1040 hrs	Activities in Brass Cluster	UNIDO/BEE
1050 hrs	Heath Break	

#### 1100 hrs – 1500 hrs: Presentation on Energy Efficiency in Thermal Utilities

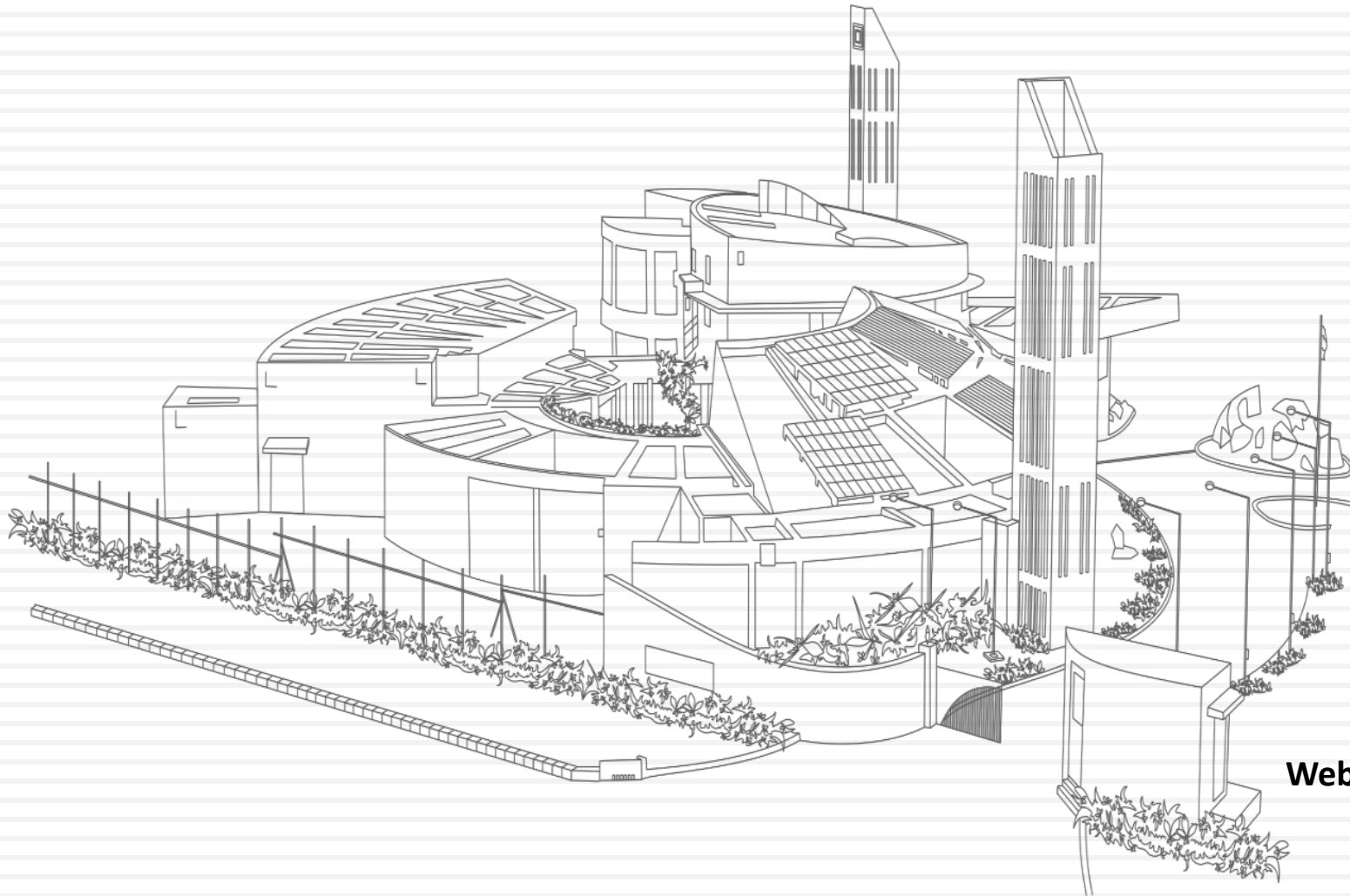
1100 hrs	EE in Induction Coreless Furnaces	Inductotherm India Ltd
1130 hrs	NO fired Energy efficient melting furnaces	AFECO heating system
1200 hrs	Waste heat recovery – Recuperators	Promethean Energy Pvt. Ltd.
1230 hrs	Induction billet heater	Inductotherm India Ltd
1300 hrs	Lunch Break	
1400 hrs	EE in Burners and Auto Fuel control system	Weisman
1430 hrs	Design of Reheating Furnaces and EE Crucibles	Mattab Engineering
1500 hrs	Tea Break	

#### 1510 hrs – 1630 hrs: B2B Meetings and way forward

1510 hrs	B2B Meeting Sessions	
1610 hrs	Discussions and Agreement on way forward	
1630 hrs	Close	



# Thank You....



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