

# COMMON RESEARCH AND TECHNOLOGICAL DEVELOPMENT HUB IN RENEWABLE ENERGY AND ELECTRONICS

*Supported by Department of Industrial Research*  
[ CSIOCHENNAI-DSIR-CRTDH (CDC) ]

## INTRODUCTION:

- **CSIOCHENNAI-DSIR-CRTDH (CDC)** is an industrial R&D service hub to provide technical support, infrastructure and equipment testing facility to the local renewable energy and electronic MSMEs for carrying out competitive research for translating innovative ideas into marketable products.

## GOALS OF CDC

- Leveraging Research & Development expertise and resources to create regional cluster of innovation
- Create facility for testing and certification of products in the Renewable Energy sector
- Bridging the gap between industry, academia and research institutions
- Provide skills development at all levels
- Provide platform for technology transfer, R&D, business linkages
- Consultancy services - technical, business, professional and mentoring

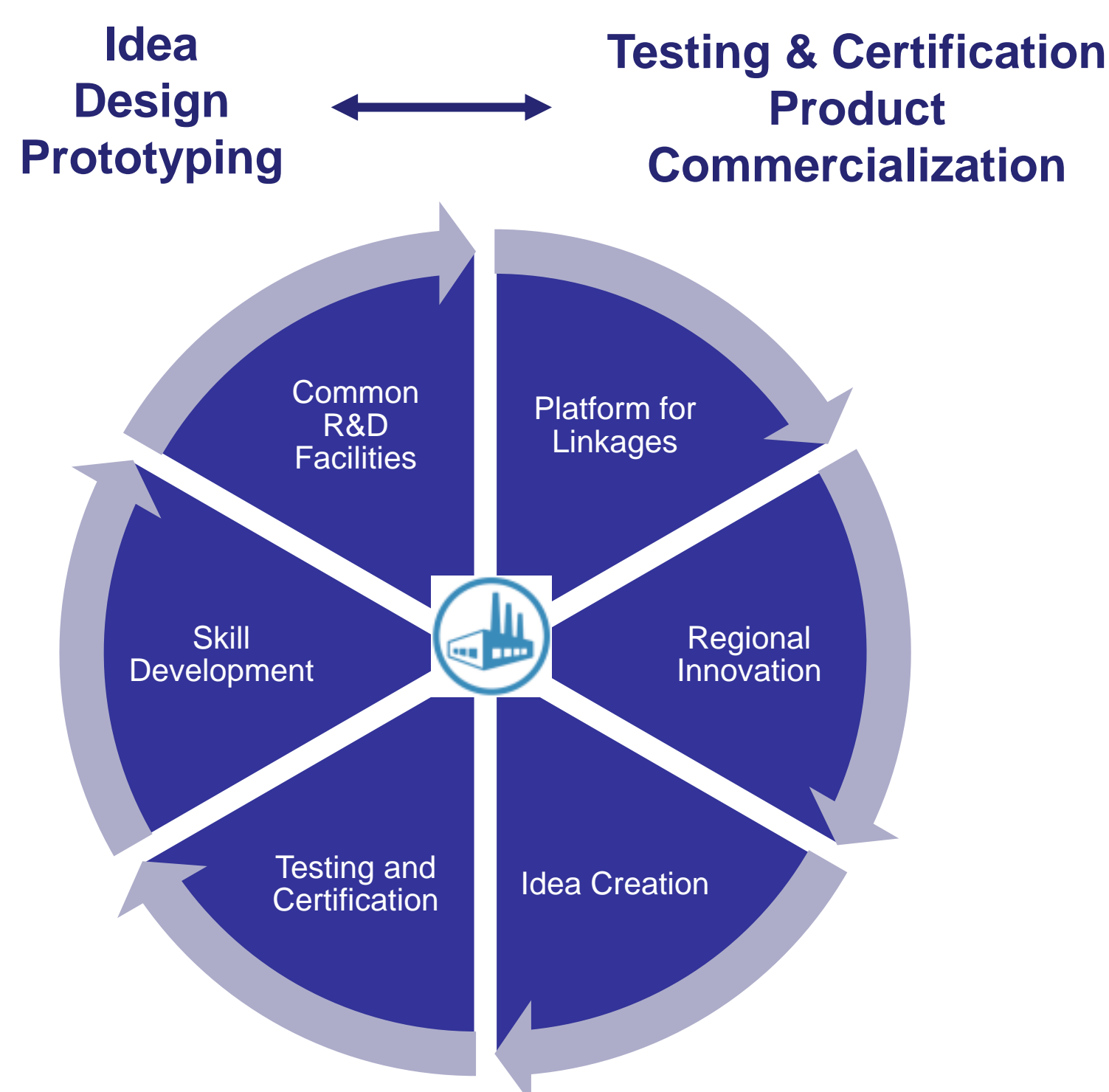
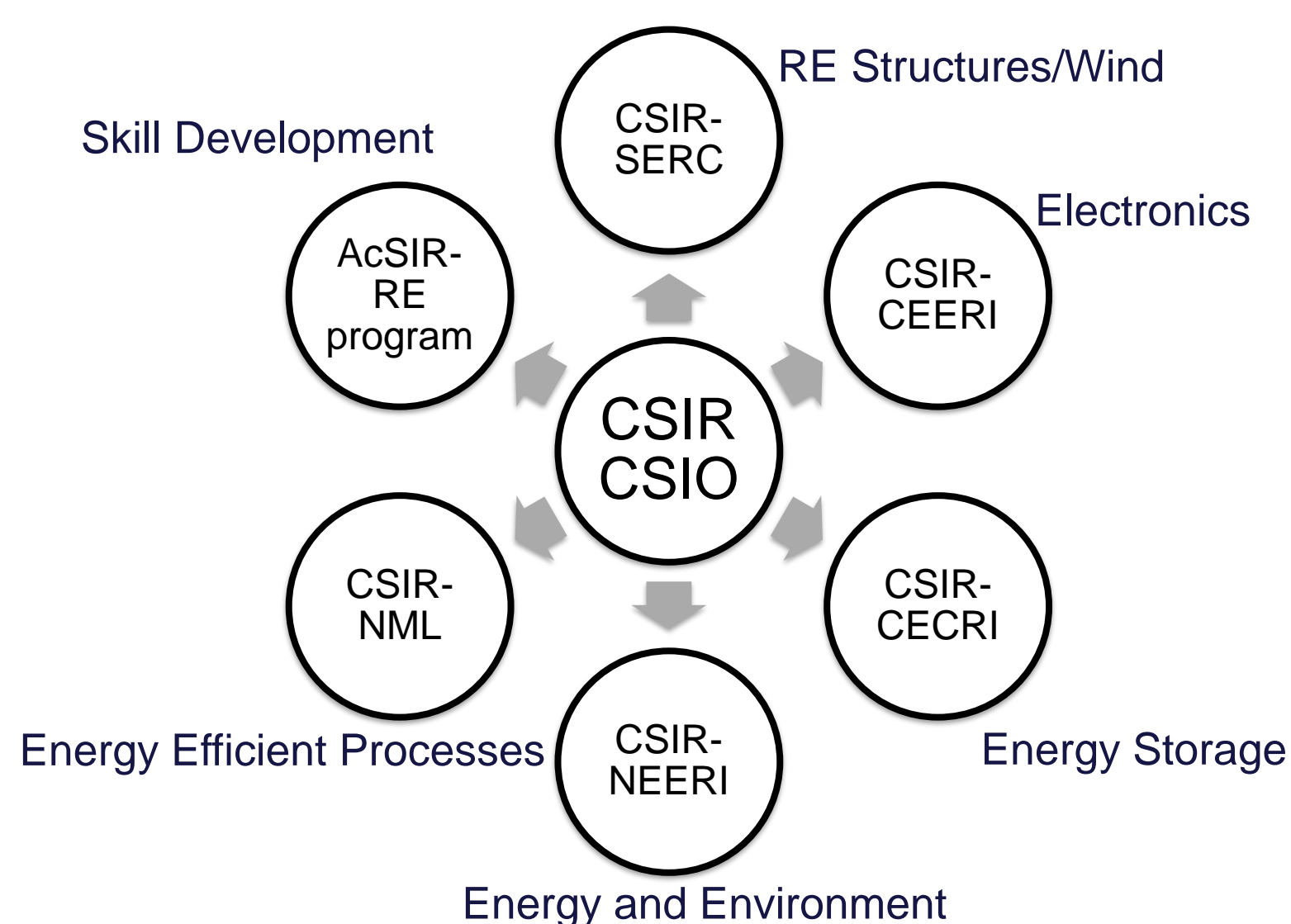
## FOCUS AREA OF CDC : RENEWABLE ENERGY AND RELATED ELECTRONICS

- Renewable energy (RE) innovation is at the heart of solving many of the world's toughest challenges, and is the key to tapping the full potential of energy as a contributor to future growth and prosperity.
- Energy innovation systems need a stronger and more effective push to deliver a broader range of technologies and solutions to market faster than what is available today.
- The importance of accelerating innovation in renewable energy – across the many ways in which energy is produced, delivered and consumed – is being looked upon by many medium and small enterprises in India.
- The project's aims at identifying and promoting actions that the local industrial community can take to accelerate the pace of innovation in renewable energy and, in parallel, serve as a platform for collaboration among stakeholders from business, R&D, academia, government, civil society and selected innovation alliances who share a vision for a sustainable future

## COMMON FACILITIES FOR REGIONAL CLUSTER INNOVATION

- Solar Photovoltaics (SPV) Panel Test Facilities
- Off Grid Solar Products Testing Facilities
- Electronic Design & Development Facilities
- Rapid Prototyping Facility
- Engineering Design and Idea Incubation Centre

## LOCATIONAL PROXIMITY : EXPERTISE & TARGETS



### MSME ENGINEERING CLUSTER IN & AROUND CHENNAI

- 10 Ekkatattungal
- 10 Guindy
- 10 Ambattur
- 10 Perungudi
- 10 Sriperambudur
- 10 Ranipet and Vellore
- 10 Porur
- 10 Thiruvananthapuram

## EXPECTED IMPACT : Outcomes

- Improve Productivity and Competitiveness of RE MSMEs – Growth of RE Sector
- Inclusive Cluster Innovation – Industry, R&D lab, Academia, Govt., Civil Society, Innovation Alliances
- Growth of MSMEs – Common Not-for-Profit Resource Hub & Testing /Certifications Facility
- Skilled RE Manpower
- Contribute to National Missions: Smart city, Clean Energy mission, Make in India, Skill India, Swatth Bharat



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