



“OECC’S FIELD ACTIVITIES TO ENHANCE LOW-CARBON
TECHNOLOGY TRANSFER: PROJECT MATCH MAKING IN VIET NAM”

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“Achieving SDGs through technology innovation, deployment, and transfer”

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Jointly organized by OECC/UNU-IAS

JCM FINANCING SCHEME BY THE MINISTRY OF THE ENVIRONMENT, JAPAN (MOEJ)

JCM Model Projects

Provides funds to cover less than half of project's investment cost

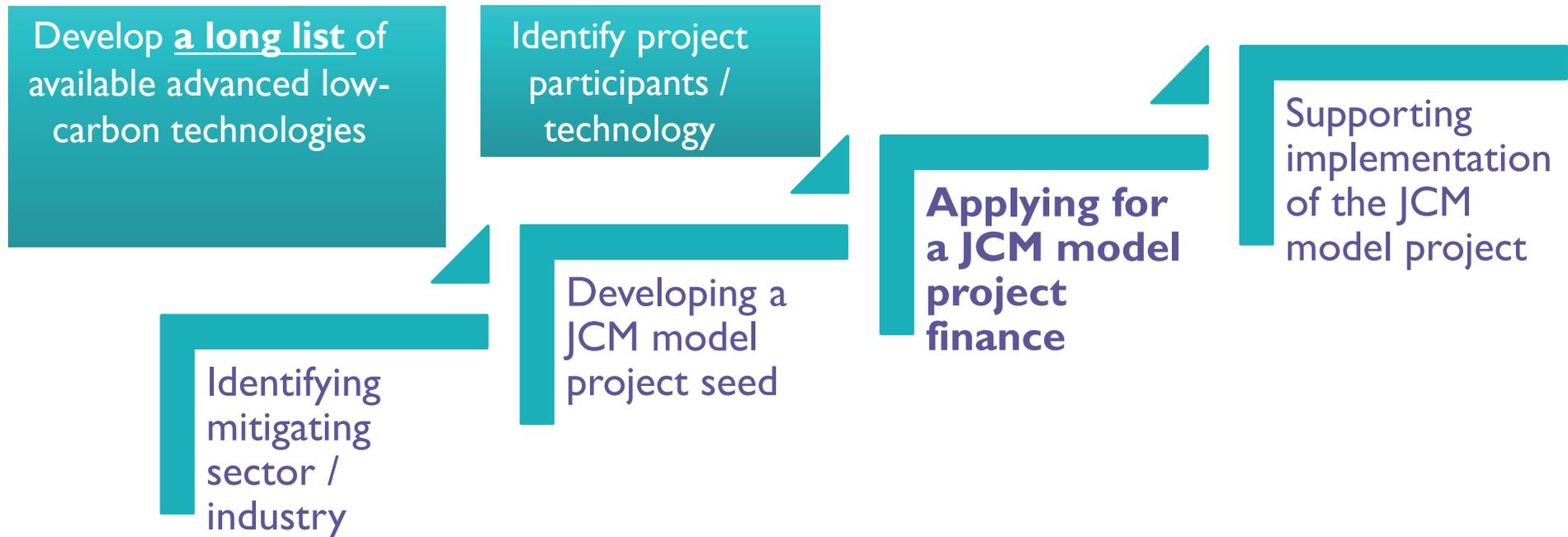


**International
consortiums**
(which include Japanese entities)



Conduct MRV and are expected to deliver at least half of the JCM credits issued

ACTIVITY FLOW OF DEVELOPMENT OF JCM MODEL PROJECT

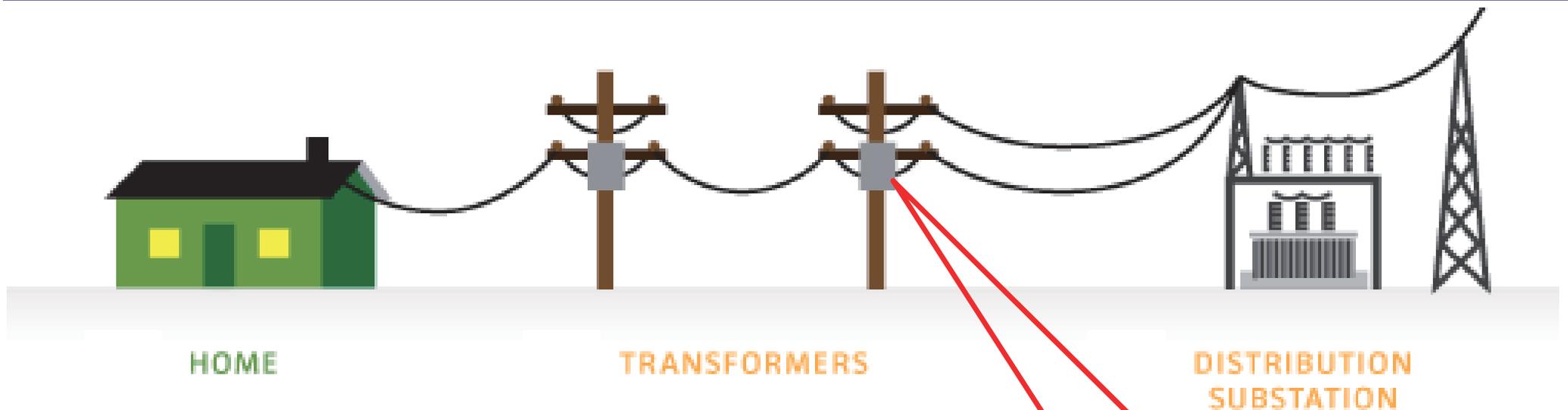


- Supported by the OECC, 14 projects in 7 countries were selected under MOEJ's model project.

ON-GOING JCM MODEL PROJECTS SUPPORTED BY THE OECC (AS OF JUNE 2017, ITALIC PROJECTS IN BOLD HAVE STARTED OPERATIONS !)

Year	Partner country	Project name	GHG reduction (tCO2/year)
2017	Mongolia	15MW solar PV project at airport	18,438
2017	Philippines	1.53MW Rooftop Solar PV project at automobile factory	1,124
2017	Laos	Introduction of Amorphous transformers project	2,099
2017	Viet Nam	Introduction of Amorphous transformers project (phase 4)	1,493
2016	Thailand	1.5MW Solar PV and EMS in Paint Factory	13,44
2016	Cambodia	800kW Solar PV project at International School	772
2016	Mongolia	8.3MW Solar PV in Farm	10,580
2016	Viet Nam	Introduction of Amorphous transformers project (phase 2) + (phase 3)	4,360 + 3,047
2015	Mongolia	10MW Solar PV in Darkhan city	14,746
2015	Mongolia	2.1MW Solar PV in Farm	2,707
2015	Bangladesh	Introduction of loom boiler at Weaving Factory	1,518
2015	Bangladesh	320kW PV-diesel Hybrid System at factory	265
2015	Viet Nam	Introduction of Amorphous transformers project (phase 1)	632

INTRODUCTION OF AMORPHOUS TRANSFORMERS PROJECT: OUTLINE OF THE TECHNOLOGY



- High efficiency transformers in transmission / distribution networks
- Reducing distribution losses → power company's profitability of selling electricity increased!

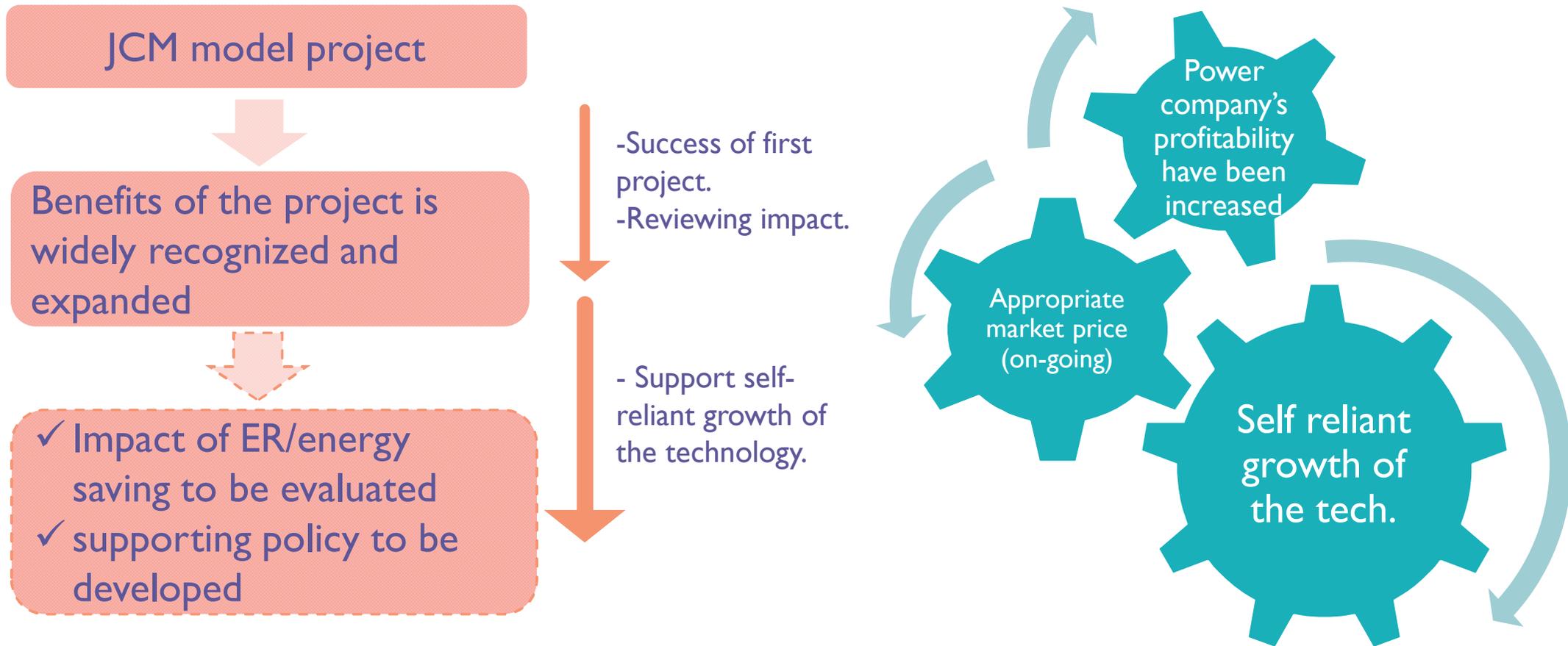


INTRODUCTION OF AMORPHOUS TRANSFORMERS PROJECT: TOWARDS SUSTAINABLE DEVELOPMENT

- Amorphous transformers installed by the project are manufactured in Viet Nam based on the state of the art technology developed by Hitachi Metals, the industry's leading company in Japan. Hitachi Metals in Japan supplies Amorphous alloy to be used as core of the transformers and **THIBIDI** and **HANAKA** (local manufacturers) fabricates the transformers.



INTRODUCTION OF AMORPHOUS TRANSFORMERS PROJECT: RATCHET-UP MECHANISM TOWARD SELF RELIANT GROWTH



INTRODUCTION OF AMORPHOUS TRANSFORMERS PROJECT: HORIZONTAL EXPANSION TO OTHER COUNTRIES

- High-efficient transformers experimentally installed by a local power company (PC) through the JCM model project scheme.
- This pushed other PCs to follow the action.
- As the result, the impact widely recognized.
- Further mitigate support policy, such as monitoring support is necessary for realizing self-reliant growth of the market.
- As for the projects in Laos, THIBIDI (transformer manufacturer in Viet Nam) supports local production.

