

2021 KETEP-NRCT Joint Grant Call

APPLICATION FORM

*Instructions: Application form should be typewritten and filled out in English.*

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| APPLICANTS’ INFORMATION (own country) |
| 1. Principal Investigator :  (First Name) (Last Name) 2. Current Position:3. Current Institution and Adress:4. Addresses for Contact 1) Office: (Tel: Fax: ) 2) Home: (Tel: Fax: )5. E-mail: 6. Sex (M / F):7. Nationality:8. Passport No.:9. Expertise: 10. Research Team Institutions: |
| PARTNER’S INFORMATION (another country) |
| 11. Principal Investigator:  (First Name) (Last Name)12. Current Position: 13. Current Institution and Adress:14. Addresses for contact 1) Office: (Tel: Fax: ) 2) Home: (Tel: Fax: )15. E-mail: 16. Sex (M / F):17. Nationality:18. Expertise:*※ Attach an invitation letter from your co-researcher* |
| RESEARCH WORK |
| 19. Subject Areas: Solar Energy20. Specific Areas (select only one): * Cost effective integration of solar PV deployments (e.g. rooftop PV) into the grid
* Integration of PV with heat pump and hybrid with other heat engines

 (e.g. ORC for CHP or CCHP)* PV and Energy Storage
* Other applications and technologies to improve the performance of PV, PVT modules

21. Research Topic:22. Research Duration: From To  Total year months |
| BUDGET  |
| 23. Requested Grant Amount:  |
| OBJECTIVE  |
| 24. Objective of the Project  |
| NEEDS  |
| 25. Why is the project being done? |
| 26. Who will get benefit from the project?  |
| 27. Necessity for Cooperation |
| OVERVIEW |
| 28. A Brief Overview of the Entire Project |
| RESEARCH WORK PLAN |
| 29. Research Work Plan of the project  |
| BENEFITS |
| 30. What is the desired outcome of the project?  |
| 31. How do you measure success of the project? |
| 32. How can the outcomes be commercialised?  |
| 33. Technology Readiness Level (TRL) of the project * Start TRL
* Projected End TRL

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| TRL | Description | Definition |
| 0 | Idea | Unproven concept, no testing has been performed |
| 1 | Basic Research | Basic principles postulated and observed but no experimental proof available |
| 2 | Applied Research | Concept and application have been formulated |
| 3 | Critical Function | First laboratory test completed; proof of concept |
| 4 | Concept Validation | Small-scale prototype built in a laboratory environment, technology validated in laboratory |
| 5 | Validation of Integrated System | Component and/or system validation in a relevant environment |
| 6 | Verification of Integrated System | System model or prototype tested in intended environment close to expected performance |
| 7 | Demonstration System | Operating in operational environment at pre-commercial scale |
| 8 | System Completed and Qualified | Manufacturing issues solved |
| 9 | Full Commercial Application | Technology available for consumers |

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| 34. IP Arrangement  |
| COMPETITION  |
| 35. How does your project stand out compared to other similar projects?  Please cite references.  |
| CERTIFICATION (The form must be co-signed by each institution from Korea and Thailand.) |
| APPLICANT |
| 36. Applicant (Principal Investigator)  Signature:  Name:  Name of Organisation:  Date: 37. Research Team of Applicant Signature:  Name:  Name of Organisation:  Date:  |
| PARTNER  |
| 38. Applicant (Principal Investigator)  Signature:  Name:  Name of Organisation:  Date: 39. Research Team of Applicant Signature:  Name:  Name of Organisation:  Date:  |

I certify the above information to be accurate and correct.

 (THIS APPLICATION IS NOT COMPLETE WITHOUT SIGNATURE)