Realization of a low carbon society through game changing technologies

Development of innovative welding technologies for non-weldable materials

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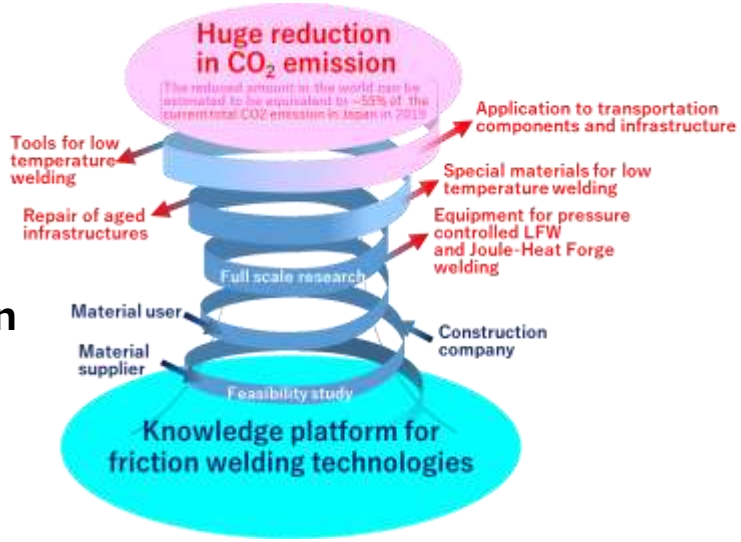
Summary :

- **Innovative welding technologies will be developed for non-weldable materials to realize a low carbon society.**
- **Development of Pressure Controlled LFW technology for high carbon steel, lightweight materials, etc.**
- **Development of Pressure Controlled Joule-Heat Forge Welding.**
- **Development of FSW technologies for non-weldable materials.**
- **This project will contribute to the reduction of CO_2 gas emission in the fields of transportation means such as vehicle, airplane and so forth as well as infrastructures.**
- **The reduced amount in the world can be estimated to be equivalent to ~55% of the current total CO_2 emission in Japan in 2019.**

http://www.jwri.osaka-u.ac.jp/~dpt9/index.html



Collaboration for innovative welding technologies