Innovation in manufacturing for new process of sustainable resource recycle

Development of multi-value circulation based on remanufacturing

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Summary :

Remanufacturing, which is an industrial process that turns used products into products with the same functionality as new products, is one of the critical elements for realizing a resourceefficient economy.

This project aims to develop technologies to restore deterioration of metal surfaces of used products, methods for reliability assessment of restored products and components, production management methods for remanufacturing, and retained value evaluation method for products.

Especially, the project focuses on developing technologies of partial surface repairs of turbine blades, and their reliability assessment.

Development of partial surface repair techniques for turbine blades (Case study)



