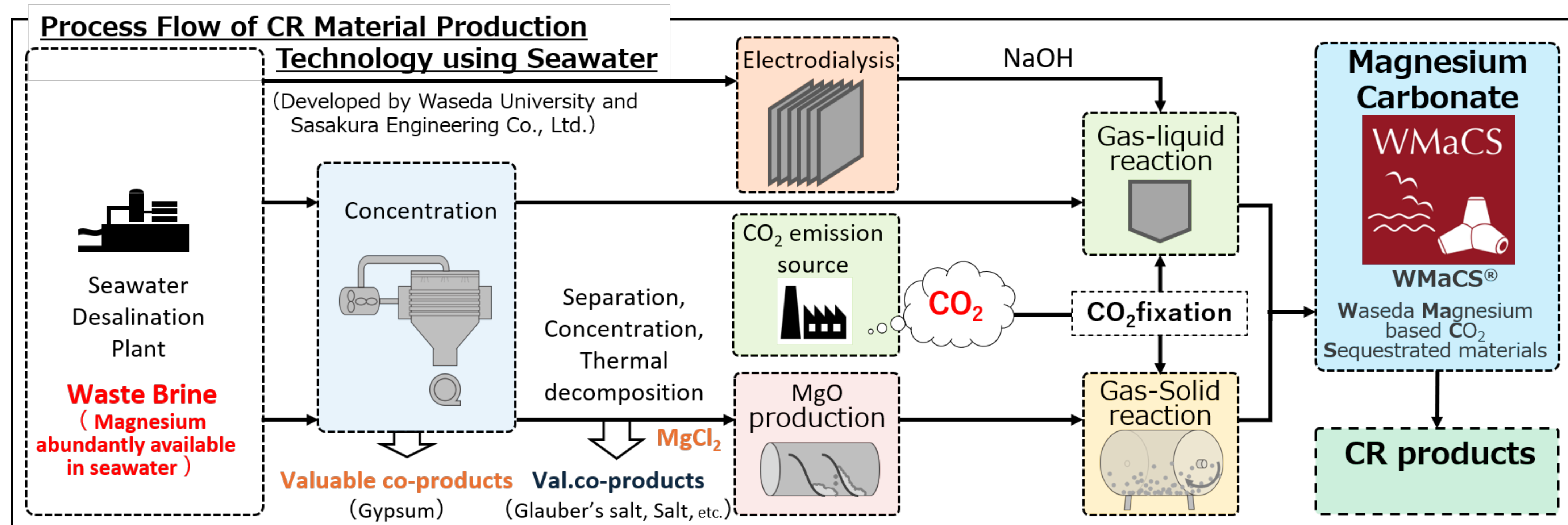


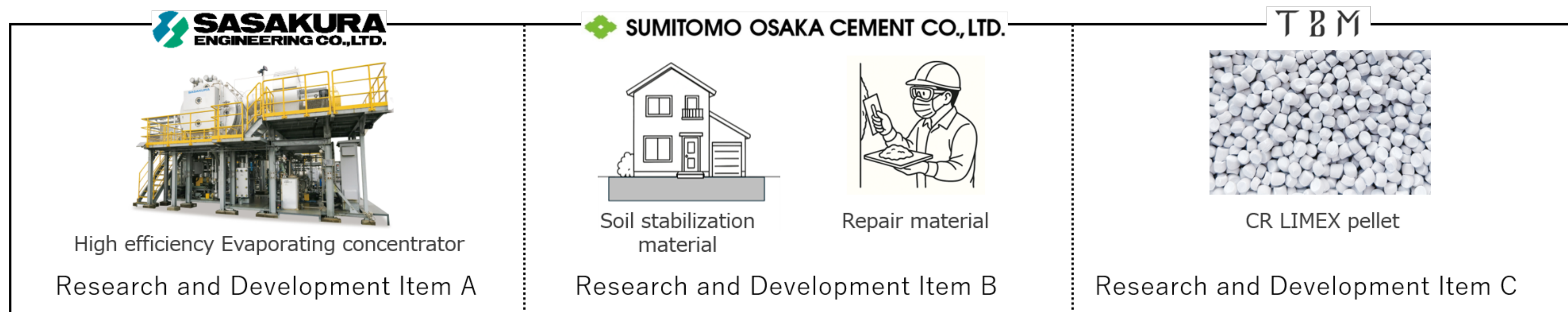
## Project outline

- To enhance the production processes of carbon recycled (CR) materials and promote their practical application and commercialization
- Project period : FY2026 ~ FY2027

\* CO<sub>2</sub> fixation as Magnesium Carbonate and related compounds using Magnesium abundantly available in seawater



## Development of carbon-recycled products and role sharing



- Research and Development Item A: Advancement of Carbon Recycled Material Production Process (SASAKURA ENGINEERING Co., Ltd.)  
SASAKURA ENGINEERING Co., Ltd., a leading company in manufacturing and engineering for seawater desalination plants and evaporating concentrators, will carry out the advancement of the CR material production process.
- Research and Development Item B: Performance Improvement and Practical Evaluation of Cement-Based Materials Using Carbon Recycled Materials (SUMITOMO OSAKA CEMENT Co., Ltd.)  
Sumitomo Osaka Cement Co., Ltd., which is developing technology for manufacturing and utilizing artificial limestone by carbonating waste-derived Ca and CO<sub>2</sub> as part of the NEDO Green Innovation Fund project, will newly take on demonstration research and evaluation for carbonating and fixing CO<sub>2</sub> with marine-derived Mg and using it as a substitute for cement in construction materials, aiming for commercialization of WMaCS based products.
- Research and Development Item C: Development of New Materials Using Carbon Recycled Materials (TBM Co., Ltd.)  
TBM Co., Ltd., which manufactures and sells calcium carbonate and carbon recycled building materials utilizing carbon recycling technology, will develop new materials applying magnesium carbonate and aim for commercialization.