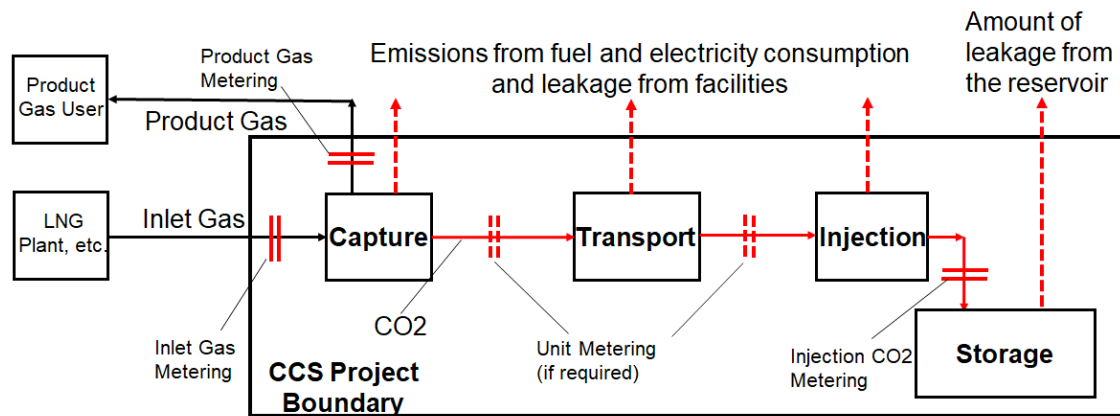


Features of the guideline

Recommended guideline for the implementation of carbon dioxide capture and storage projects (CCS guideline)

- Specialized in technical recommendations and GHG calculation methodologies to evaluate GHG reduction amount for CCS projects.
- Present a method to determine CO2 storage resources with referring to SRMS (*) as an example which provides internationally comparable classification of storage resources.
- Provides a guideline from project planning until closure, including the evaluation of CO2 storage resources and GHG reduction amount.

(*) CO2 Storage Resources Management System, provided by the Society of Petroleum Engineers

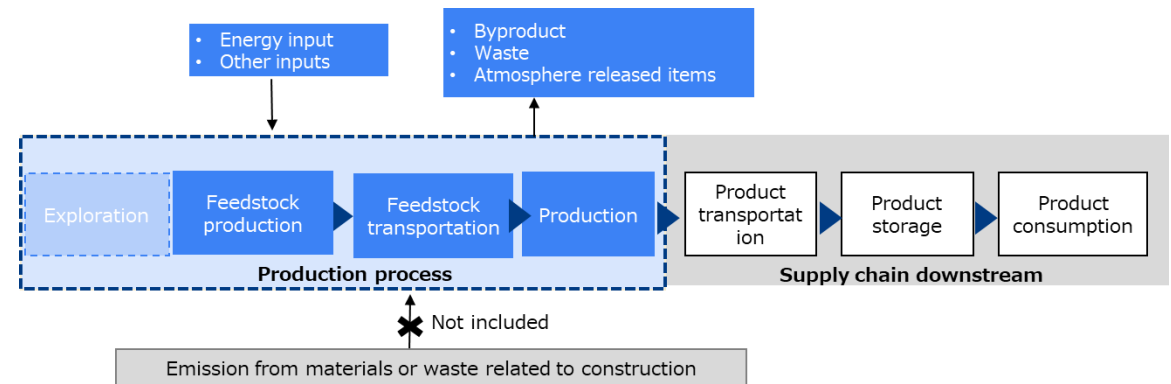


$$\begin{aligned}
 & \text{CO}_2/\text{GHG emission reduction amount} \\
 &= (\text{Captured CO}_2) - (\text{Emission from fuel/electricity consumption}) \\
 & - (\text{Fugitive emission})
 \end{aligned}$$

Recommended guideline for greenhouse gas and carbon intensity accounting framework for LNG/Hydrogen/Ammonia project (GHG/CI guideline)

- Provides a recommended guideline to calculate GHG emission and product carbon intensity for LNG/Hydrogen/Ammonia projects.
- Includes countermeasures for methane emission, which is under international discussion, and recommends calculation methods (*) according to the emission source.
- Proposed method will be reviewed and verified through the application at actual projects.

(*) Example; Recommendation for direct measurement, especially for main emission sources.



$$\text{Carbon Intensity (CI)} = \frac{(\text{Product GHG emission} - \text{Emission deduction})}{\text{Product energy content or weight}}$$