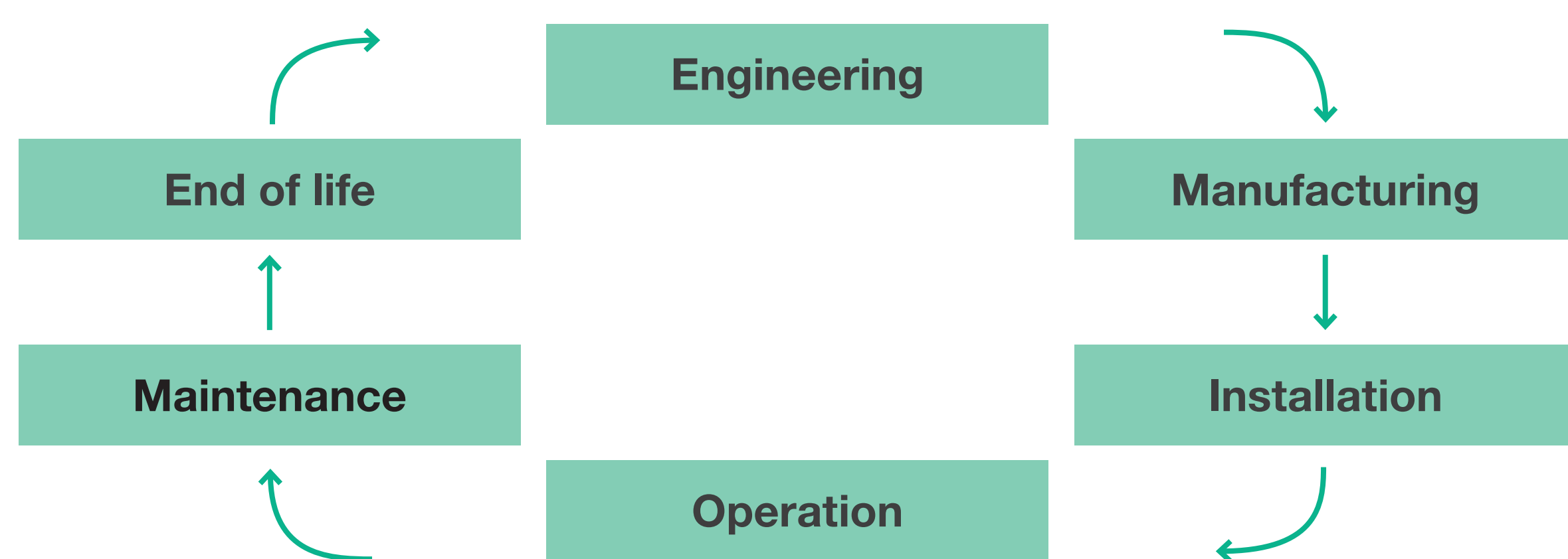


Minimize the carbon footprint of assets: development of a GHG accounting tool produced on GRTgaz assets

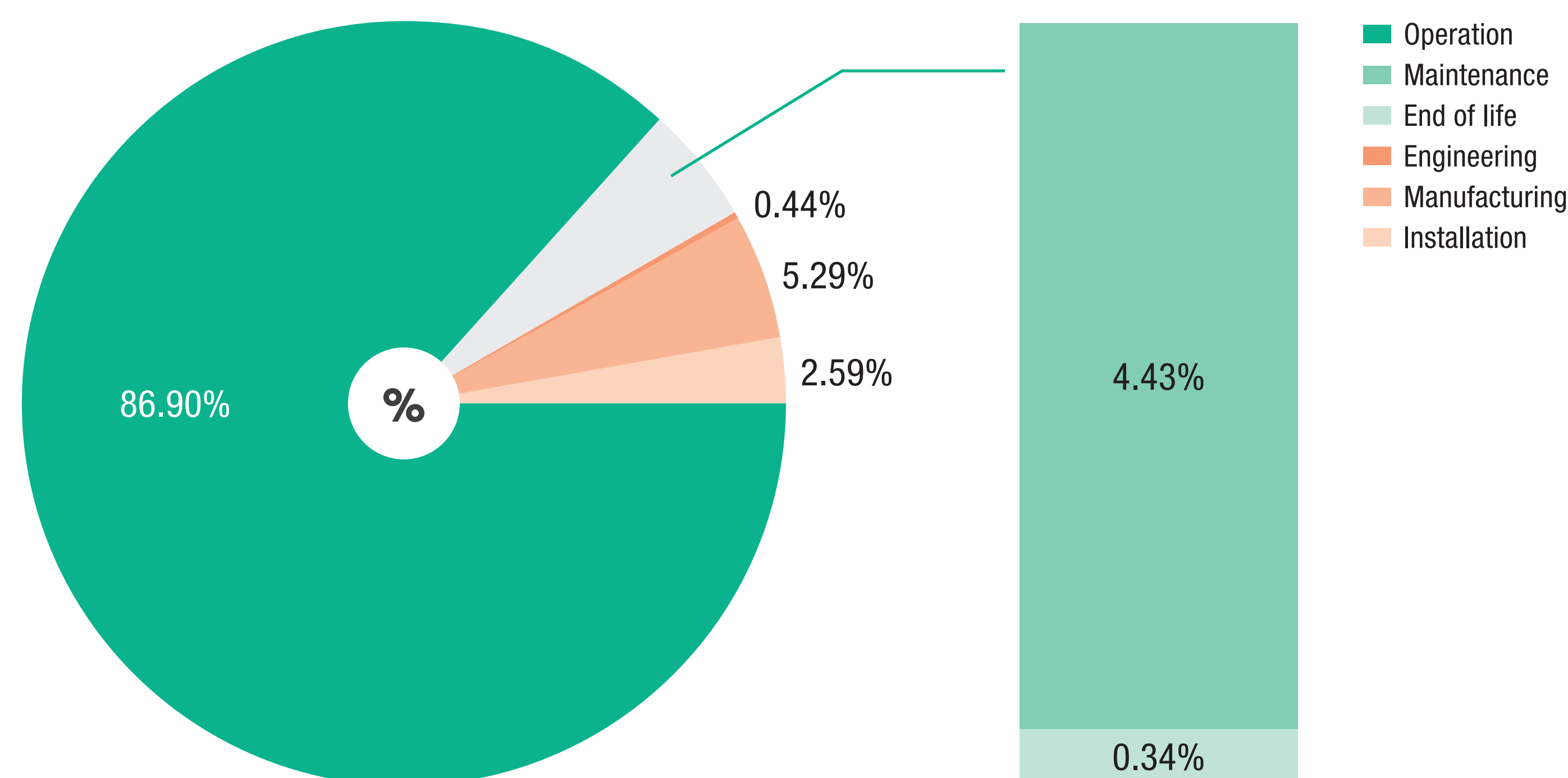
- ⇒ Environmental efficiency needs to be part of Asset Management.
- ⇒ Carbon footprint is key for emission management and identification of mitigation solutions.
- ⇒ Footprint calculation based on physical flows (raw material, machines, energy consumption...) is the only way to get an accurate quantitative evaluation.

GESTime calculation includes GHG emissions at all the stages of the asset

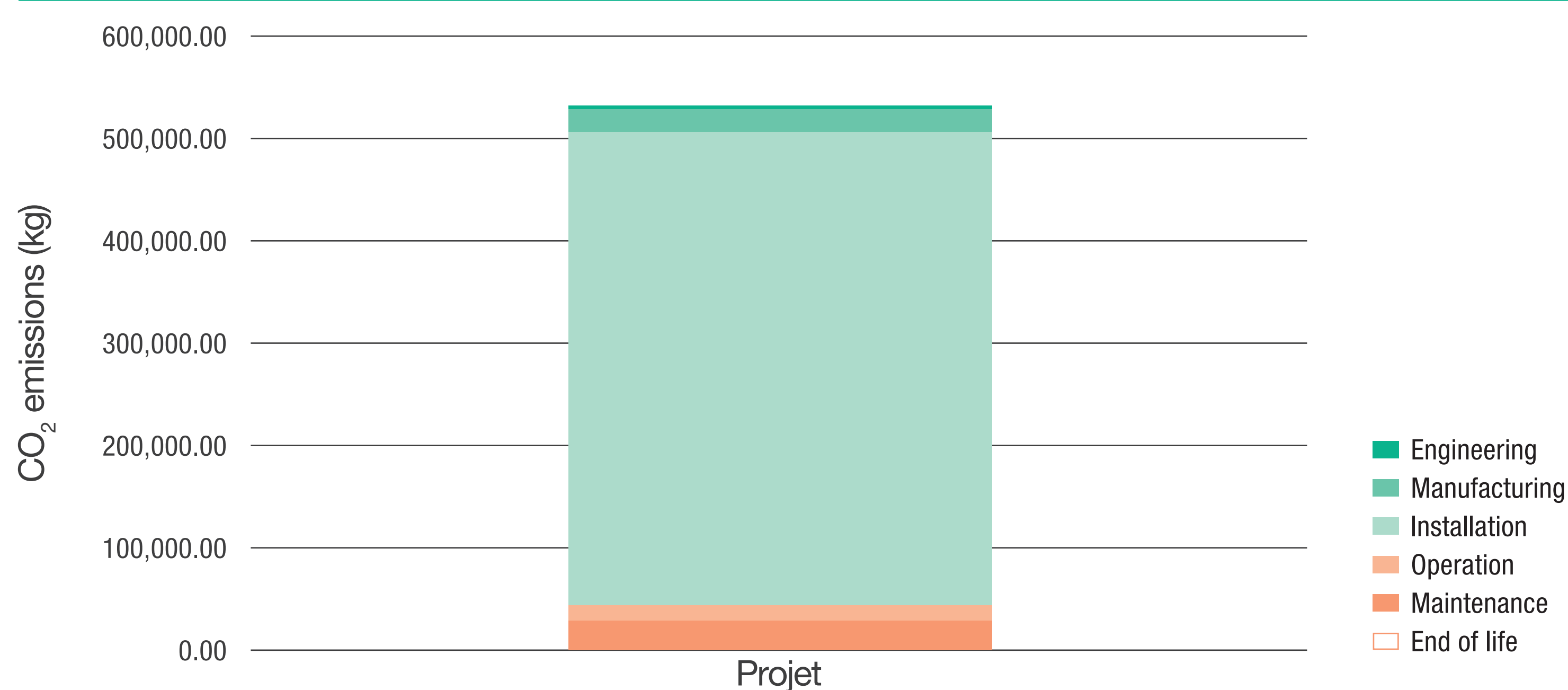


GESTime is a strong tool to identify major sources of emissions to be reduced

Contribution of each phase



Carbon footprint of the project

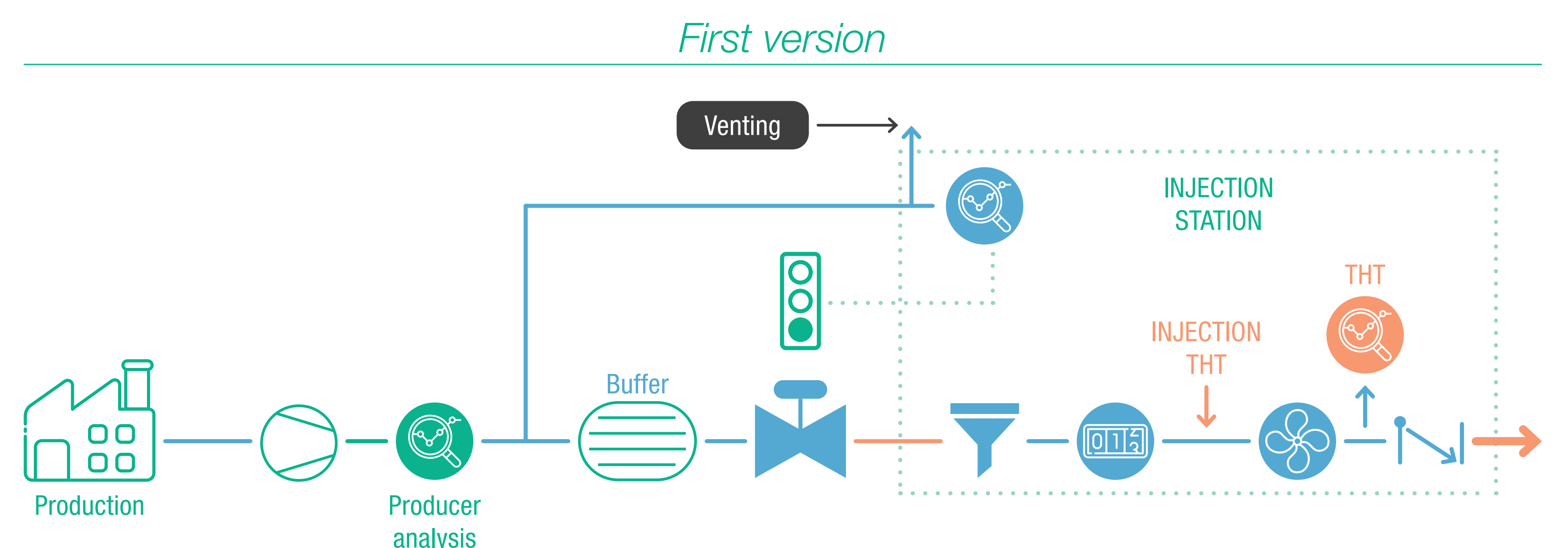


Hypothesis :

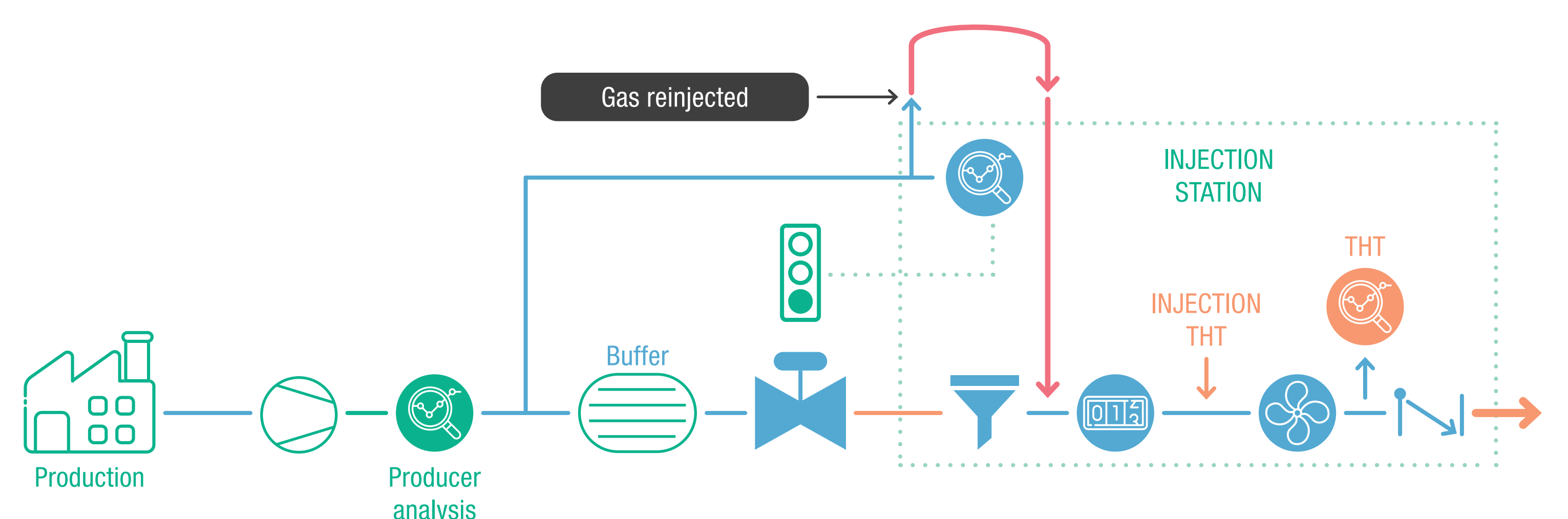
- ⇒ Life expectancy of the asset = 15 years
- ⇒ Standard connection length

530 Tons of CO₂ over 15 years of lifetime

GESTime is key for eco-design

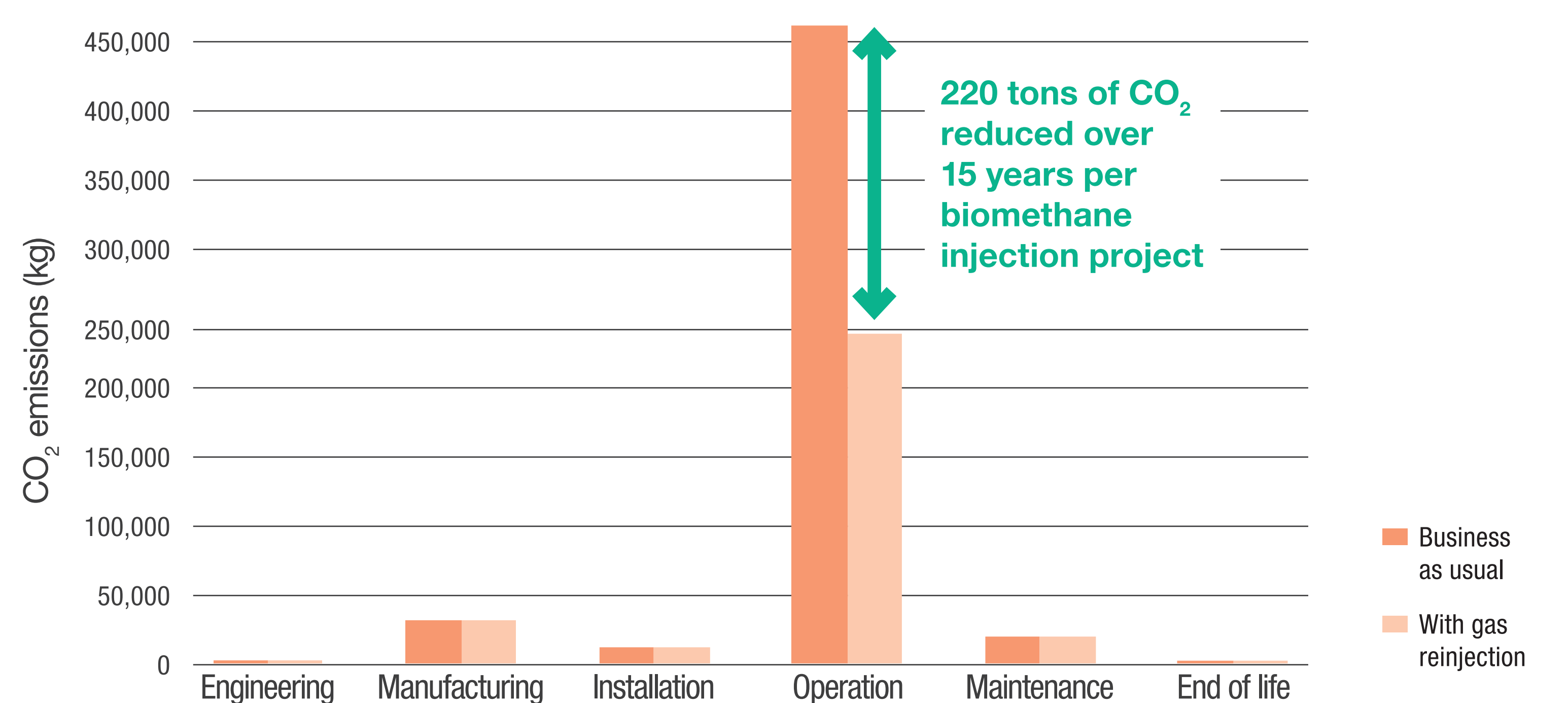


New version designed based on GESTime results



GESTime provides quantitative validation of mitigation solutions

Carbone footprint of the asset and of its beneficial actions



Cost-effective modification

41% reduction in the carbon footprint of a biomethane connection