

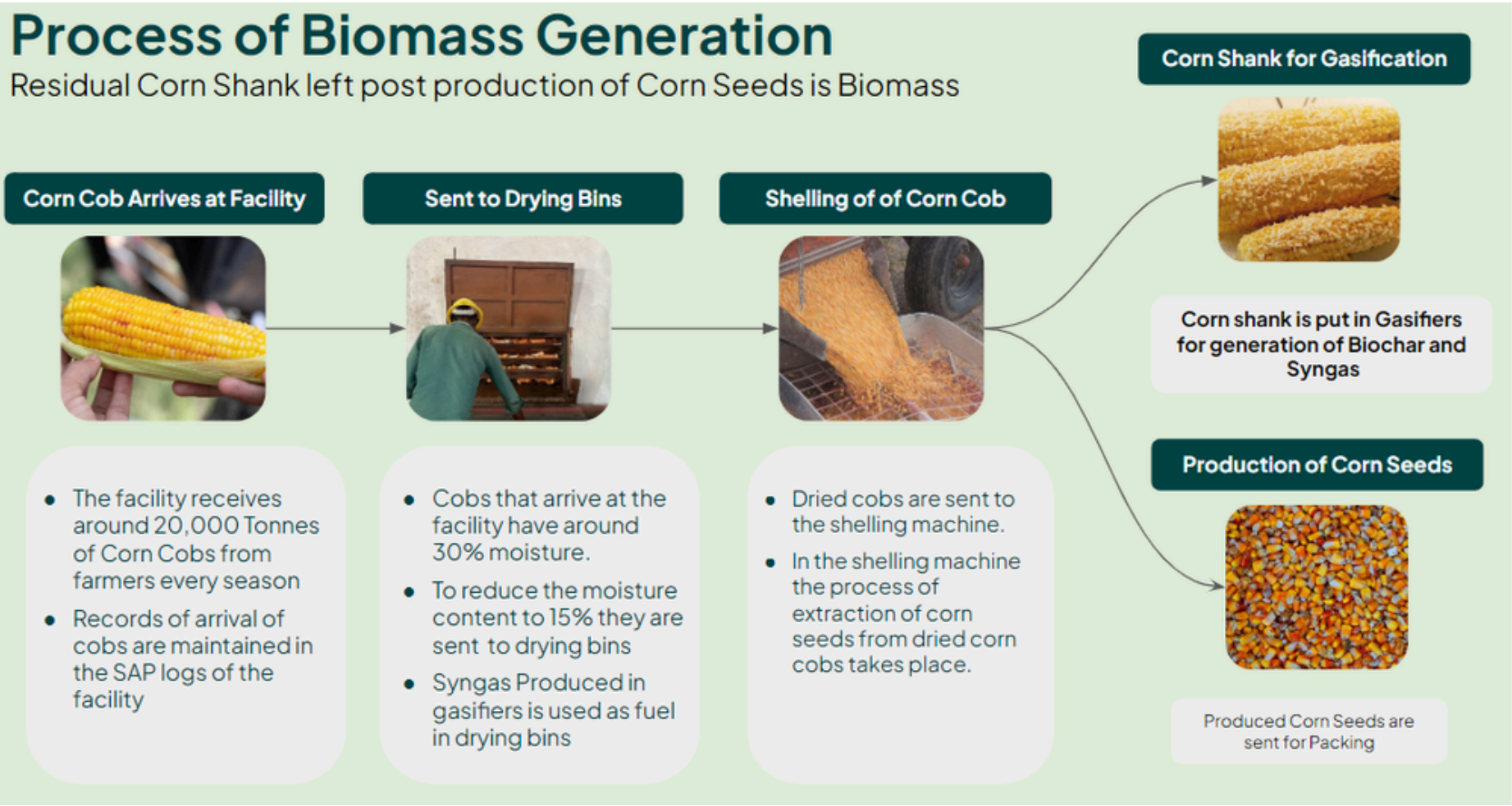
Description

Varaha is a tech-enabled, end-to-end project developer and monitoring, reporting, and verification (MRV) company committed to limiting global warming and enhancing climate resilience in smallholder economies worldwide.

We assist smallholder land owners in India to mitigate and adapt to climate change through the development and scaling of Natural Climate Solutions (NCS), including regenerative agriculture, ARR (Afforestation, Reforestation, and Revegetation), and CDR (Carbon Dioxide Removal) solutions like Enhanced Rock Weathering (ERW) and biochar.

We employ state-of-the-art pyro gasification technology to convert corn shanks, a food processing by-product, into high-quality biochar and syngas. Biochar, a stable form of carbon that effectively sequesters it for over 1,000 years, is pulverized, mixed with bio manure, and provided to nearby farmers at no cost to be used as a soil amendment and to improve soil health.

By converting waste biomass into biochar, our project offers a sustainable solution for carbon sequestration while reducing emissions from traditional disposal methods like decomposition



Co-benefits

The project produces high-quality Biochar which has high carbon content (~75%) and is given to farmers for free thus helping them improve their soil quality.

Apart from sequestering CO2, this project leads to the avoidance of tonnes of CO2 emissions per year which would have inevitably occurred due to the mistreatment of waste biomass and usage of fossil fuel for drying the incoming corn cob,

Sustainable development goals

