

# GOLDEN STAR

## Next Land Use

*Mining and sequential land use - after we mine, we mend.*



Golden Star is implementing a Ghanaian first in innovation by progressively converting our former tailings storage facilities (TSF) to productive and commercial scale oil palm plantation. Surface landforms were partially completed in 2016, and by mid-2018 we had planted over 3,000 oil palm seedlings in two former TSFs. Whilst it is common to reuse mined land for low level agriculture, commercial scale production and yield is uncommon. Over the last decade Golden Star has progressively tested and completed trials to ensure the success of this higher value next land use.

We have also conducted an innovative program of pit lake engineering and aquaculture trials in former mine pits that are now a functioning part of the ecosystem. In a model approach, commercial scale fish cages have been used for three seasons of fish rearing and harvest, with a view to future commercial production.

Golden Star's outstanding achievements in closure planning and establishing productive, post-mining land uses has been recognized by the Canada Mining Innovation Council who have recommended Golden Star for a mining industry innovation award for these activities.



To complement these activities we have nurseries to grow native endemic trees. Since 2010 we have propagated over 178,000 indigenous plant seedlings, many of special conservation value, for planting in former mined areas. This was supported by replacement of topsoil and broadcasting of over 18,000 kg of plant seeds.

