

Story and Journey

Waste tyres worldwide have long been a challenge to repurpose for maximum commercial benefit. Incineration in cement kilns or shredding for ground cover have disposed of this material, but economic and environmental benefits have been limited. TPE in partnership with Hankook and their proprietary technology bring the ability to turn waste tyres into energy and raw materials, displacing both fossil fuels and intensive fossil fuel produced raw materials.

Following from the development & ongoing operation of the initial plant in Korea the business now seeks to expand its global footprint with further targeted projects.

- Recovered Carbon black – almost 40% of the tyre is recovered as carbon black and is the key revenue stream. This is used to manufacture new tyres, displacing fossil derived product. Hankook will be the key off-taker for this.
- Waste tyres continue to be a challenge. At best disposed of responsibly, at worst dumped, these projects will enable true recovery and re-use of a valuable resource. Global volumes of waste tyres are vast, and strategically located plants will be able to capture required volumes.
- Another Guemsan have proven technology and an active reference plant in South Korea. They will be engaged to provide O&M services to projects, delivering robust performance and process uptimes.
- TPE's principal Mark Hargreaves, by background an engineer and finance, has been researching and developing the sector since 2014, and has deep

knowledge of the technical and commercial requirements. Mark has built a senior team with experience in all the key aspects required to deliver the business.