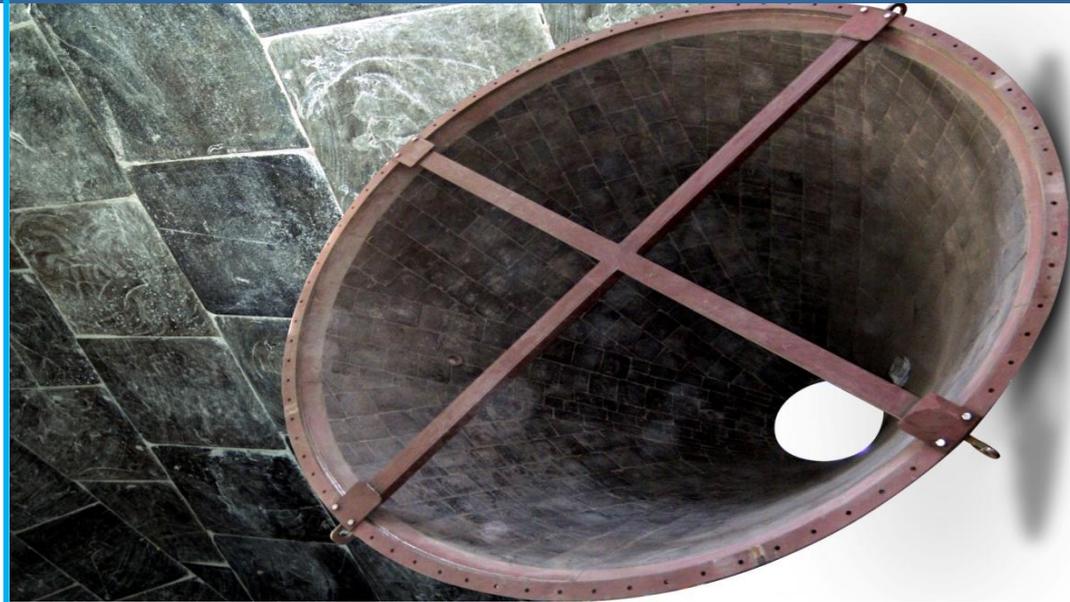


Industry:
Water
Plant:
Sewage sludge waste plant
Lining System:
K-BAS Lining system

K-BAS LINED SILO CONES

Key Benefits

- Improved wear resistance
- Maintain blending capacity
- Prevention of material build-up
- Cheaper than replacing
- Internal liner can be repaired in position
- Out performs traditional liners by a factor of 6 to 8 times



KINGFISHER BASALT WEAR PROTECTION SYSTEM CHOSEN FOR ENERGY FROM SEWAGE SLUDGE WASTE PLANT IN QATAR

Kingfisher's Industrial's experience of providing wear resistant lining systems for energy from waste plants (EFW) used in the water industry has resulted in a major order from a leading bulk handling systems manufacturer for a sewage treatment works project in the Gulf state of Qatar. The treatment works, situated to the North West of Al Gharrafa in Qatar, operates 24hrs/365 days a year under very demanding environmental conditions. In view of these conditions, Kingfisher has provided a 20-year design life on silo cones lined with its K-Bas material, and a warranty of 400-days. The silo cones have to cope with environmental impacts, such as maximum wind speeds up to 42m/s, relative humidity's up to 100% and ambient building temperatures of 40 deg C; with higher temperatures still in direct sunlight. A further problem is the considerable amount of salt contained in the surrounding atmosphere. This, together with the relatively high ambient humidity, can cause severe corrosion problems for unprotected equipment.

In addition to the external environmental problems, wear protection is necessary on the silo cones due to the fact that sewage sludge is highly abrasive. On its passage through sewers, sewage becomes contaminated with debris, sand, grit, deposits from environmental structures, residue from the land mass, plus metallics, and plastics. Sand and grit, in particular, are a major problem, due to their high silica content. They are highly abrasive, causing problems of wear and erosion with the equipment used to treat and process the sludge into dried sewage pellets – the culmination of the process.

For a free onsite consultation or a simple quote please contact Kingfisher Industrial on 01384 410777 or email us on enquiries@kingfisher-industrial.co.uk

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