ABB provides assurance that bunds are fit for purpose after a environmental incident.

The incident resulted in costly remediation of ground and groundwater. The company needed assurance that tank bunds on its sites were fit for purpose and could be relied upon in the future; if not then remedial measures were to be provided.

ABB were engaged to provide bund inspection and management systems to comply with company EMS requirements and cost-effective remedial solutions for the 100+ bunds involved.

ABB were chosen due to their extensive experience of secondary containment design, construction, inspection and maintenance in the chemical industry and the recognised bund assessment and management procedures that they have developed.

Solution
Scope of supply:
- Bund inspection by experienced civil environmental consultant
- Bunds were assessed with regard to their fitness for purpose and were rated according to the hazard posed to people or the environment. High, medium or low ratings were assigned to each bund
- Recommendations for improvement provided for selected bunds. Remedial works were prioritised using the bund assessment ratings
- System developed to record the life history of each asset, inspection and repair / modification works and to demonstrate effective containment

Benefits
- Demonstration of containment integrity to regulatory authorities
- Potential for costly loss of containment reduced
- Compliance with company environmental management system (EMS)