

## Specialist Equipment Design

### Detailed Design and Verification

Robert Jenkins Systems Ltd was contracted by Marathon Oil UK Ltd to supply a fully integrated glycol regeneration package for the East Brae Development Project. Bennett Associates worked closely with RJS's own in-house design team to complete the package on time and to contractual weight restrictions. This was a tribute to the team effort between the two organisations, RJS and Bennett Associates.

Part of Bennett Associates' responsibility was to carry out the complex pipe stress analysis. The service condition for some of the pipework was up to 200 degrees centigrade; this necessitated the closest examination of load cases including pressure and thermal movement within the system.

Bennett Associates was able to model the exacting conditions using tried and tested engineering computer software, CAESAR II. The analysis assisted the design team to produce the pipework and support design compliant with the appropriate codes and standards.

The co-operation between Robert Jenkins and Bennett Associates in relation to this project is nothing new and despite the fact that they have their own in-house design team of undoubted reputation they have found advantages in using the expertise of Bennett Associates to enhance the service they offer to their clients.

Bennett Associates (originally founded in 1984) was acquired in 2008 by Atkins; bringing their proven technical expertise to the UK's leading engineering consultancy.

