MAUREEN
THE FIRST STEEL GRAVITY PLATFORM IN THE NORTH SEA

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Tecnomare has designed, on behalf of Phillips Petroleum Company E & A, a Steel Gravity platform, with integrated oil storage, to be installed in the Maureen Field, in the British Sector of the North Sea. Tecnomare's interest in the Maureen Field development dates back to summer 1975. Since that time several proposals have been made concerning the structure to be used for the exploitation of the field.

In 1977 the Operator carried out detailed studies regarding two basic development concepts which were:

A) A workover and production platform installed over a subsea template with predrilled wells.
B) A drilling and production platform installed on a bare seabed.

Both concepts were to incorporate storage facilities and a tanker mooring and offshore loading system.
While the latter is a conventional field development, the former is an application of the "early production" philosophy. A comprehensive and detailed study was undertaken, approaching many designers and fabricators and investigating all kinds of available solutions. The conclusion has been that the early production concept was practicable and that the Tecnomare Steel Gravity (TSG) platform was the most suitable to accomplish it.