

### Introduction

MMI specialises in providing high value engineering and consulting services that focus on unique and demanding structural engineering problems. This focus is exemplified by our comprehensive range of services that are provided to operating companies who need to deal with demanding platform structural integrity issues.

### Regional Experience

The requirements for structural integrity assessments vary significantly from region to region depending upon both the environmental conditions that present the dominant source of hazard and the regulatory regime that sets the standards for assessment and re-certification. We have extensive experience with platform assessment and related design services in the following major regions:

- Gulf of Mexico
- North Sea
- Offshore California
- Cook Inlet of Alaska
- Caspian Sea
- Gulf of Paria (Venezuela)
- New Zealand
- Northwest Shelf of Australia
- South China Sea

Operating companies typically require structural integrity assessment services either as a result of a regulatory review or as a result of increased risk. Our aim is to help our clients address all key sources of risk and to make effective decisions that are fully in-line with their ultimate business objectives. Achieving this goal requires a complete understanding of the effects of all sources increased risk. MMI's experience is comprehensive and includes projects where overall risks are impacted by:

- Fatigue damage
- Damage due to dropped objects
- Increased demand (updated oceanographic & earthquake criteria)
- Facility expansion programmes
- Design deficiencies
- Damage due to structural overload
- Sea-floor subsidence
- Corrosion damage
- Changes in operation
- Vessel impact damage
- Construction defects
- Foundation damage due to blowout

MMI provides inspection and survey planning services. The data collected from these inspections is then used to assess the overall "as-is" performance of the structure to all sources of loading.

