

MARTEC LIMITED

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Product/Service: Martec Limited is a consulting engineering firm that carries out contract research and development. Martec specializes in the development of advanced computational methods and software for application in (a) structural engineering, (b) aerospace structures, (c) computational mechanics, and (d) ocean engineering.

Keywords: Numerical Analysis; Structural Analysis; Finite Element Analysis; Structural Reliability; Random Vibrations; Fracture and Fatigue; Structural Noise; Composite Materials; Advanced Industrial Materials; Underwater Acoustics; Hydrodynamics; Wind Wave Modelling; Sediment Transport.

Recent Successes: Recent contracts relevant to space:

- Nondestructive and Computational Evaluation of Coatings of Mobile Service System.
- Effect of Microgravity on the Residual Stress of Slip Cast Ceramics.
- Enhancement of Software Suite for Analysis of Bonded or Bolted Joints for Repair of Damaged Composite Panels.
- Development of Random Vibration Analysis Software.

Of Special Note: Interested in collaboration with other contractors in the areas of advanced materials and advanced computational analysis.