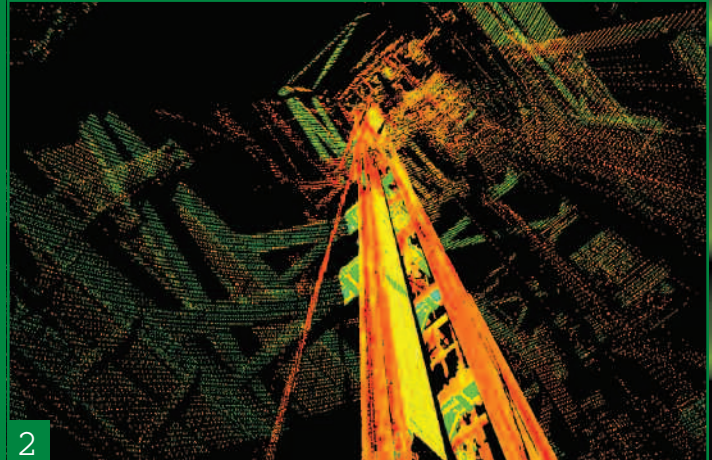


## ***Gulf of Mexico: Scanning for Structural Analysis***

**O**ne hundred miles offshore in the Gulf of Mexico, Falk-PLI utilized a HDS 3000 laser scanner to gather information on a semi-submersible oil rig. The laser scanner's ability to gather information without a hands-on need allowed the client to continue with the normal work performed on the oil rig's daily basis. In similar industries, this ability means the client does not lose production.

On this oil rig, Falk-PLI was asked to gather structural information to determine if a newly installed top drive was defective or if the structures on which it operates was out of tolerance. Falk-PLI gathered information to analyze the dolly rails and derrick structure. The information was gathered at several positions to determine the unusual failure of the top drive.

- 1** *Picture of the derrick structure and dolly rails.*
- 2** *Screen capture of the 3D information of dolly rails and derrick gathered during scan.*
- 3** *View of the top drive riding on the dolly rails.*



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