

## **Digital Surface Imagery from 3D Pointcloud to Enhance 3D Seismic Survey Planning and Operations**

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### **ABSTRACT**

Digital ortho-rectified imagery has been used for years in the Land, Exploration and Engineering disciplines. However, it was expensive to acquire new data for a project and the user only received image pixels with X and Y coordinates and a resolution of 1 meter. New digital surface mapping from 3D Pointcloud technology provides pixel density resolution of 6 inches with X and Y coordinates and, Elevation (Z) values as well at a cost 40% less than historic imagery and 75% quicker from acquisition to processing to delivery.