

JEFF R. LINK, BS

Senior Test Engineer

Mr. Link is the senior test engineer at VGO. His work includes technical design and specification of testing, data acquisition and measurement equipment systems. Jeff has over 20 years of experience in physical testing and forensics, and has built a reputation as the Northwest leader in strain gage technology.

BACKGROUND

Jeff's past work has included testing and measurement at two forensic testing firms as well as a major manufacturer of locomotives. He has tested and monitored structures ranging from bridges and navigation locks to bicycles and printed circuit boards.

His work with bridges includes strain gage monitoring of multiple I-5 bridges in Oregon. He has instrumented up to 80 channels on several occasions, measuring the structural response to normal use loads, thermal fluctuations, and heavy loads. Additionally, he has installed strain gages to determine counterweight adjustments in bascule bridges, by instrumenting torque shafts.

He has monitored and measured the performance of pressure vessels, ship rudders, drive shafts, apartment buildings, locomotive frames, extrusion presses, and consumer products. In all cases, attention is paid to data sampling techniques, noise reduction, ground isolation, cross-talk, shielding, and other data acquisition issues.

He has performed destructive physical testing on structures ranging from kitchen cabinets and boot safety toes to tractor-trailer cab guards and emergency rescue devices.

His history of applied mechanics and solid measurement technique give him the ability to anticipate testing issues prior to them becoming major obstacles.

PRIMARY SKILL AREAS

- Design of Experiments
- Instrumentation (Strain gage, accelerometer, thermocouple, RTD, LVDT, etc.)
- Non-destructive testing and inspection
- Forensics and documentation

EDUCATION

Bachelor of Science, Physics (BS),

Oregon State University, Corvallis, Oregon

OTHER ACTIVITIES

Strain gage work published in: Surface Mount Technology (SMT), June 1, 2004. "Strain Gage testing: Predicting and Preventing Brittle Fracture of BGA's" Julia Goldstein

NDT Industrial Level II: PT, MT, UT and VT, per ASNT TC-1A

Avid Sailboat Enthusiast