

Vibration/Seismic

Analysis and investigation of vibration problems, as well as three-dimensional seismic analysis and design, represent two specialty engineering areas at CSD. The following is a sample of projects completed.

<p><u>W.A Krueger</u></p> <p>Project Type: Vibration Investigation</p> <p>Location: Peoria, Illinois</p> <p>Description: Measurement, evaluation and remediation of vibrations affecting high precision optical equipment.</p>	<p><u>Van Engel Commission Company</u></p> <p>Project Type: Vibration Investigation</p> <p>Location: Milwaukee, Wisconsin</p> <p>Description: Monitoring of blast vibration levels for conformance with construction specifications.</p>	<p><u>Consolidated Paper</u></p> <p>Project Type: Vibration Investigation</p> <p>Location: Wisconsin Rapids, Wisconsin</p> <p>Description: Measurement and evaluation of structural vibrations affecting paper quality. Developed techniques to reduce transmission of vibrations to paper process equipment.</p>
<p><u>Waupaca Foundry</u></p> <p>Project Type: Vibration Investigation</p> <p>Location: Waupaca, Wisconsin</p> <p>Description: Modified floor support system to eliminate vibration problems with blowers in emission control building.</p>	<p><u>Brillion Iron Works</u></p> <p>Project Type: Vibration Investigation</p> <p>Location: Brillion, Wisconsin</p> <p>Description: Designed new support system for jot machines spanning over pit.</p>	<p><u>Upjohn Building</u></p> <p>Project Type: Vibration Investigation</p> <p>Location: Kalamazoo, Michigan</p> <p>Description: Performed dynamic analysis of five stacks mounted on three platforms atop a seven story building to investigate potential resonance from vortex shedding. Platforms and stack modifications were necessary to eliminate the potential for resonance problems.</p>

