

Structural



Expansion and renovation programs involving the retooling, refitting, expansion and remodeling of existing structures are important challenges facing plant engineers and managers today. Meeting scheduled production start-up dates and conforming to codes and regulations, while maintaining existing production facilities in a cost-efficient manner, is the key to a successful program.

O'Brien & Gere has been providing these services to industrial, municipal, and federal clients for over 65 years. In-house capabilities comprise of:

- Geotechnical investigations
 - Engineered fills
 - Slope stability analyses
 - Earth retaining structures
- Deep and shallow foundations
 - Caissons/piles
 - Floating slabs
 - Rigid mats
- Concrete
 - Allowable stress design
 - Ultimate strength design
- Structural steel
 - Allowable stress design
 - Load and resistance factor design
- Aluminum
 - Allowable stress design
- Masonry
 - Allowable stress design
- Building design and evaluation
 - Stability analyses
 - Monorail and crane analyses
 - Vehicular loading
 - Vibration analyses
 - Impact analyses
 - Seismic and wind load analyses
 - Computerized 3D and finite element model analyses
- Code review
 - International Building Code (IBC), Uniform Building Code (UBC), and Building Officials and Code Administrators International, Inc. (BOCA)
 - OSHA (Occupational Safety and Health Administration)

During any project there are a number of structural issues that can, and usually do, arise. However, when working with O'Brien & Gere, these issues are kept to a minimum by effective project management.

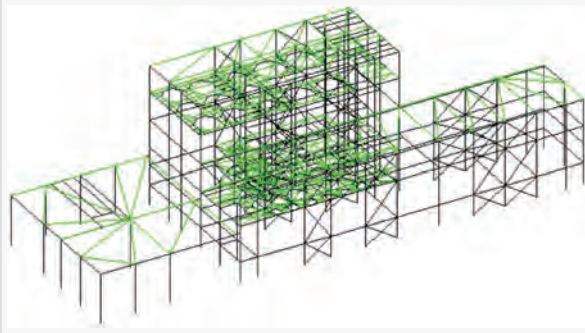
CONTACT US

For more information please visit our website at www.obg.com or e-mail info@obg.com

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O'Brien & Gere is a single entity capable of providing expertise during all phases of a project, including conceptual design, preliminary design, final design, construction, start-up, and operations and maintenance (O&M). Throughout the project life cycle, we address issues quickly so our clients avoid costly modifications later - that is O'Brien & Gere's specialty.

CONCEPT TO REALITY



O'BRIEN & GERE
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