

Piers & Pillars Engineering PLLC was founded in New York in 2015 to provide specialty marine and foundation engineering services to owners, consultants, and contractors. With more than twenty years of experience in the civil, marine, and geotechnical engineering fields, we can bring value and professional expertise to your challenging projects in New York, New Jersey, Connecticut, and Texas. Please see below for a list of our services and let us know how we can help you with your projects.

Ilker Tutuncu, Ph.D., PE
President

Marine Engineering

- ❖ Independent design review
- ❖ Constructability review
- ❖ Feasibility and due-diligence studies
- ❖ Value engineering solutions
- ❖ Design alternatives and concepts
- ❖ Marine terminals ship-shore compatibility assessments
- ❖ Oil and container terminals layout verification studies
- ❖ Seawalls and bulkheads analysis and design
- ❖ Fender systems analysis and design
- ❖ Mooring systems analysis and design
- ❖ Mooring and breasting dolphins design
- ❖ Condition assessment and load rating determination

Foundation and Geotechnical Engineering

- ❖ Geotechnical site investigation scoping
- ❖ Drilling contractor field supervision
- ❖ Soil and rock parameters interpretation for design
- ❖ Pile foundations analysis and design
- ❖ Foundation construction supervision
- ❖ Pile driveability analysis (WEAP)
- ❖ Pile dynamic testing (PDA) field supervision
- ❖ Retaining walls (concrete, gravity, sheet pile) analysis and design
- ❖ Temporary excavation supports
- ❖ Tie-back systems design
- ❖ Soil and rock anchors design
- ❖ Slope stability analysis