



Theometrics is the art and science of precision measurement and navigation in and on construction sites.

We are the Missing Bridge™ between CAD & the field.



th^{missing}bridge™

Theometrics is the art and science of precision measurement and navigation in and on construction sites. Our innovative technology navigates users, with laser-sharp accuracy, from any point, on any CAD drawing or BIM model, to the exact specified field location. Theometrics' technology also enables exact, automated measurement and creation of real-time 2D or 3D CAD drawings in the field. Theometrics is the first and only company in the world to establish this Missing Bridge™ between CAD and the field: the transfer of CAD design precision to and from the construction site in real-time.

We have created a "New Standard & Best Practice" for architectural construction measurement worldwide and our revolutionary "Means and Methods" replace antiquated blueprints, axis lines, strings, and tape measures with state-of-the-art, computerized equipment. Theometrics also provides a Risk Mitigation System for insurance companies, developers, designers, and the entire construction team. Our interactive TheoCAD™ tool ensures dimensional control of As-Built and Layout measurements that are useful for pro-active loss control and claims resolution. Our solutions also positively impact coverage of Errors & Omissions, Surety, and Completed Operations. These system benefits have been proven on numerous high-profile projects.

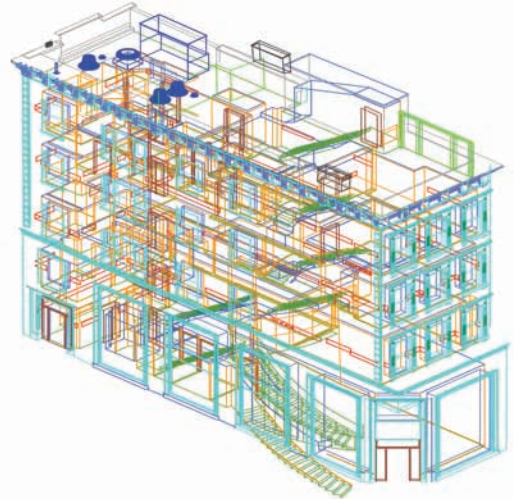
Theometrics has created a new industry, a new profession, and a new trade through the development of new hardware, software, training standards, and "Means and Methods":

- Architectural Navigation™
- Dimensional Control Standards™
- Dimensional Control Professional™
- Dimensional Control Contractors™
- Dimensional Control Tradesmen™
- Certified TheoTechs™

AS-BUILT STUDY

Pre-design, Existing Conditions Study

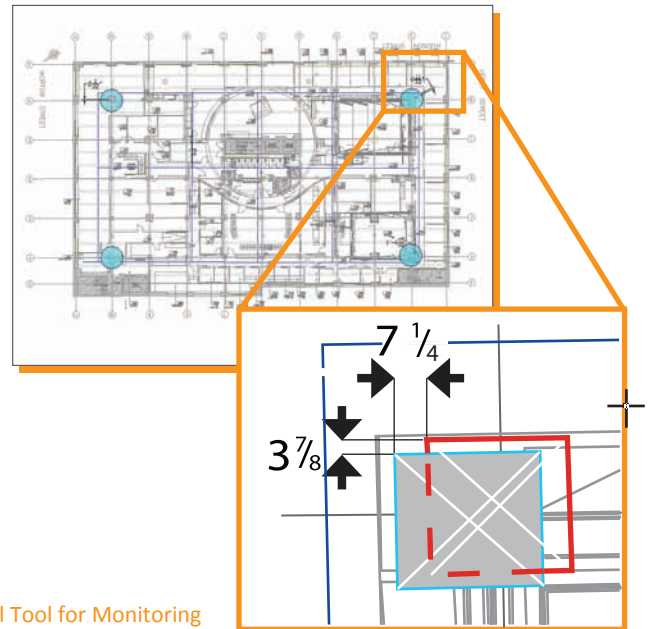
- Measure and model existing space and structure.
- Create and deliver dimensionally accurate 2D or 3D CAD drawings or models into CAD automatically, while still in the field.



DEVIATION STUDY

Comparison, Coordination, Monitoring & Verification

- Overlay and graphically compare actual field conditions, in 2D or 3D, to existing base drawings, the proposed design, engineering drawings, or shop drawings in CAD in the field.
- Align and test proposed design layout in the field and make necessary changes prior to construction.



Vital Tool for Monitoring

- Soldier Beam Movement
- Form Deflection - Pre/Post Pour and Cure
- Building Sway & Tilt Motion

LAYOUT

Construction Layout & Navigation

- Navigate, layout, survey, coordinate, monitor, and report
- Select any coordinate in a CAD document and point a visible laser to the exact location.



DIMENSIONAL CONTROL & RISK MITIGATION

Project-wide measurement standards

- Establish Permanent Reference Stations – Perimeter Control
- Deliver accurate measurements of existing or newly constructed structures to the AEC team.
- Align and test proposed design layout in the field.
- Transfer CAD accuracy to the field; mitigate risk with the assurance of a precise layout.



Vital Layout Tool

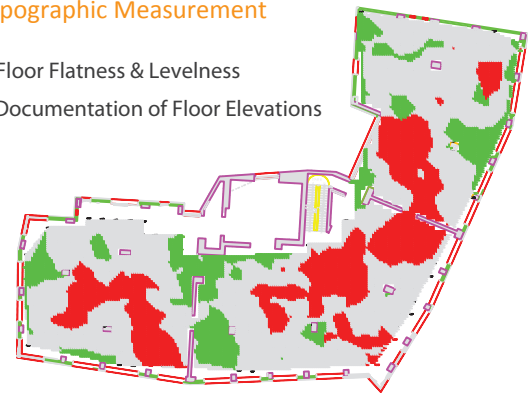
- Metes and Bounds - Land Description & Boundary Demarcation
- Establishment of Permanent Reference Stations - Perimeter Control
- Excavation/Establishment of Land Topography
- Stakes and Offsets Layout - Axis Lines and Grid
- Soldier Beam Layout and Seismic Monitoring
- Pile and Pile Cap Layout and Coordination
- Foundation Layout
- Underground Utilities Layout and Documentation
- Forms, Columns, Penetrations & Sleeves Layout
- Pre-set Hanger & Curatin Wall Insert Layout
- Bolt Pattern Layout
- Assistance with Interior Fit-Out Layout for Trades
- Post Tension Cables

Layout Artisans

- A new type of tradesman
- Responsible for the transfer of required design details to physical space

Topographic Measurement

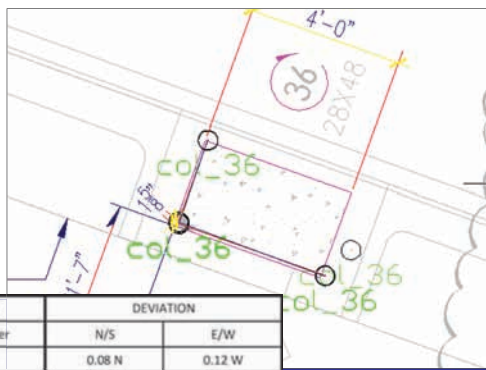
- Floor Flatness & Levelness
- Documentation of Floor Elevations



FORENSICS

As-built Study & Verification

- Document and Audit Construction Accuracy
- Forensic and Expert Witness Services



PILE Number	DEVIATION	
	N/S	E/W
1	0.08 N	0.12 W
2	0.37 S	0.12 E
3	0.58 N	0.31 W
4	0.62 N	0.54 E

NOTE: Deviation refers to the theoretical location of the pile and is indicated as 0.01 feet

ADDITIONAL SERVICES

- High Definition Laser Scanning
- Seismic Monitoring
- On-Site Robotic Assistance

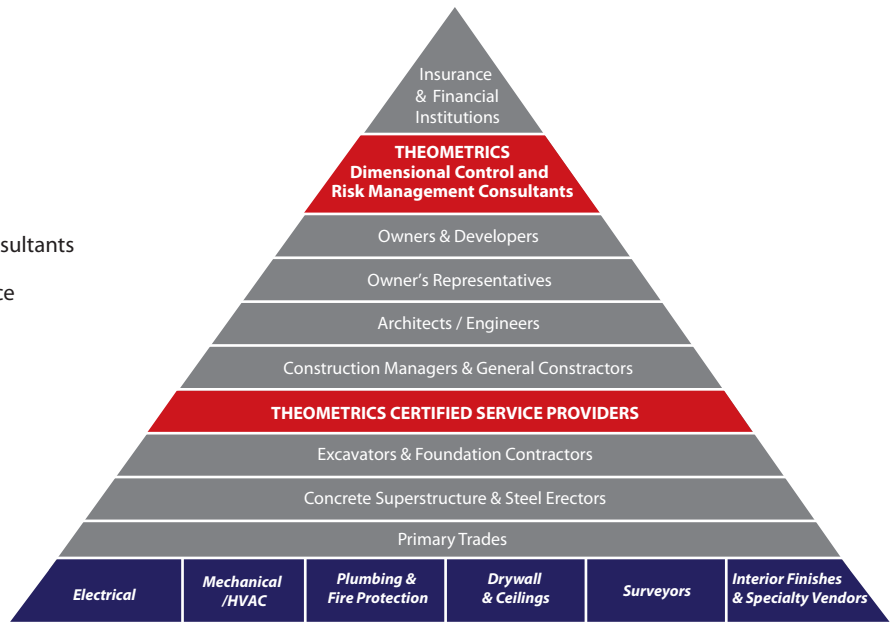




architecturalnavigation

A New Multi-Billion Dollar Industry

- Dimensional Control Consultants
- Best Management Practice
- Best Means & Methods
- New Profession
- Risk Mitigation
- Certification
- New Trade
- TheoTechs



benefits

Design / Construction

- Conduct As-Built Studies and Layout Construction Site Faster & More Accurately
- Document As-built Conditions
- Create Drawings in Real-Time
- Integrate and Interoperate with CAD and BIM
- Risk Management & Quality Control
- Shorten Construction Schedule
- Design Drawing / Version Management
- Conflict Identification Tool
- Complete Audit Trail

Safety / OSHA Benefits

- Reduce Chance of Bodily Injury
- Ensure a Safe Work Environment
- Decrease Change Orders, Improve Moral, Stress, and Fatigue
- More Organized Work Load
- Reduce Coordination Conflicts and Disharmony Between Trades
- Keep Jobs on Schedule

Environmental / LEED Benefits

- More Efficient Usage of Materials
- Volumetric Analysis of Space for Greater Systems Efficiency
- Informed Lighting Calculations & Analysis
- Validation Tool



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THEOMETRICS PAST PROJECTS

As-Built: 2D, 3D & Topographic Measure

Goldman Sachs
New York, NY
Domino Sugar Factory
Brooklyn, NY
Pavonia Path Station
Newark, NJ
NY State Theater
New York, NY
Hermes
New York, NY
505 5th Ave
New York, NY
7 World Trade Center
New York, NY

Dimensional Control & Risk Mitigation

Topaz Project
Salt Lake City, UT
USS Intrepid Sea, Air & Space Museum
New York, NY

Deviation & Forensics Study

316 11th Avenue
New York, NY
GE Energy
Trumbull, CT
Citi Center
Las Vegas, NV

Construction Layout

Cooper Union
New York, NY
Meadowlands Xanadu
East Rutherford, NJ
The New Giants Stadium
East Rutherford, NJ
The New Yankee Stadium
Bronx, NY
NY Law School
New York, NY
157 Chambers Street
New York, NY