

## Quantapoint Captures the Parthenon

### *USC and Quantapoint Join Forces to Demonstrate Cutting Edge Visualization Technology*



The Parthenon is the principal monument of the Athenian Acropolis. Its construction began in 447 BC as a dedication to the goddess Athena Parthenos. The official dedication occurred in 438 BC when a statue of Athena was placed within the structure.

The Parthenon has served as an architectural lesson rich with history, as it has seen many changes since its first intended use. It was once a Byzantine cathedral, a Turkish mosque, a Venetian battlefield, and today, a modern tourist attraction, with the 2004 Olympics coming to Athens, Greece.

Quantapoint documented the Parthenon in conjunction with The Institute of Creative Technologies (ICT), a USC research lab. Dr. Paul Debevec, ICT's Executive Producer of Graphics Research, is using the Parthenon as part of his research into creating photo-realistic models, having both accurate geometry and reflectance properties. ICT's algorithms will be used to create virtual views of the environment from any angle and in any lighting; a process not possible with current graphics techniques.

Quantapoint provided the background information for the photo-realistic model by digitizing the Parthenon structure with its patented laser scanning hardware that quickly creates a 3D digital model of its surroundings.



### Quantapoint – A Wealth of Experience

Founded in 1992 in Pittsburgh, Penn., Quantapoint, Inc. provides the world's most accurate as-built documentation to the processing and architectural industries. By uniquely combining patented 3D laser scanning technology, experienced and highly trained field crews, proven data integration work processes and advanced as-built data management software, Quantapoint has become the acknowledged industry benchmark for accuracy.

Quantapoint also offers data collection and drafting services and can deliver the following drawings in your CAD format.

- Floor Plans
- Sections
- Ceilings Plans
- Interior Elevations
- Exterior Elevations
- Ornamentation drawings

Our patent pending PRISM program, available as a separately priced option, allows viewing and manipulation of our 3D laser data and models, allows for import of CAD models from all popular CAD programs, and can provide new perspectives on your project that are uniquely available from Quantapoint.

