

**What?** Digital modeling of golf courses allowing you to view and play the course in 3D. Accurate mapping of holes for yardage books or website graphics.

**Why?** Add value and charge for services and goods. Increase interest and exposure for your course to future customers or members. Use media valued by customers to increase engagement in your marketing efforts.

- Generate income by owning a simulator and charging players to play in all seasons.
  - Providing your course on a simulator builds brand value and attention all season long.
  - Make your course exclusive to your simulator or available to other simulator owners to increase exposure to potential customers.
  - Works with simulators that use [Red Chain Games](#) software, including models from OptiGolf, VSS, Golfotron, ProTee, [P3ProSwing](#), Foresight, Fusion Golf, and GSA.
- Play on a PC and over the internet with the free World Golf Challenge game software.
  - Allow website visitors to download and play demo holes.
  - Install game software and play the entire course offline or in online competitions.
- 3D video rendering of holes or entire course for website or other digital marketing.
- Image rendering for digital or print marketing.
- Course and hole maps with scale accurate yardages for website, course yardage books, or scorecards.
- Course renovations and new courses –
  - Accurate 3D model of current land and topographic maps for design plans.
  - Improve design and save money by visualizing and playing before you start.
  - Render images of changes or create playable holes to generate public interest in the project.

**How?** A high priority on accuracy.

- High resolution satellite imagery for precise layout of features of the course.
- High resolution LiDAR data (if available) or USGS digital elevation models for accurate contours.
- When needed, hand shaped detailed contours based on diagrams or plans.
- Trees and other planting based on photos.
- 3D models of objects specific to the course such as clubhouse, buildings, signs, and tee markers.

### Samples

- [Portfolio](http://www.zagerdesign.com/commercial/portfolio.htm) – <http://www.zagerdesign.com/commercial/portfolio.htm>

For a simulator or full quality rendering, prices typically range from \$2,500-\$5,000 for an 18 hole course or \$250-\$500 for individual holes, depending on products requested and data available. E-Mail [brianz111@zagerdesign.com](mailto:brianz111@zagerdesign.com) for more information and a quote based on your specific needs.