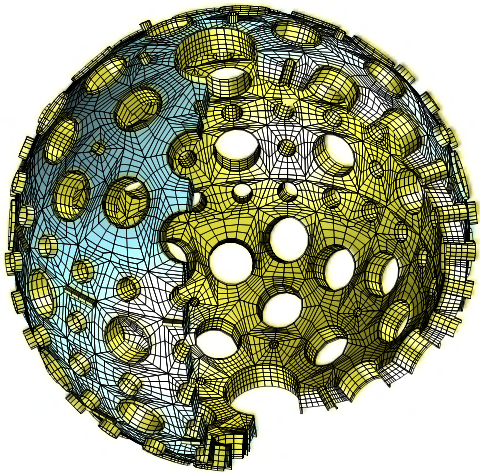


## Key Features

- All Hex 3D Element Meshes
- All Quad 2D Element Meshes
- Parametric Capabilities
- Interactive and Batch Mode
- Geometry Clean-Up
- For FEA and CFD Analysis
- Many Output Options
- Mesh Quality Diagnostics Tools
- Large Assemblies
- Automatic Transition Between Parts
- Multi-Block Structure
- Built-In Geometry Library
- Loads and Conditions
- Constraints and Boundary Conditions
- Contacts and Interfaces
- Properties and Element Types
- Simulation Code Specific Options



### National Ignition Facility Target Chamber

*A section of the mesh was modeled and then replicated. Shells and bricks with coincident interfacing nodes can be built within one part.*

## Licensing and Support

An annual or perpetual license of **TrueGrid®** is available. All licenses include upgrades, technical support, and access to the **TrueGrid®** electronic documentation library for one year.

### Trial Licenses

Contact XYZ to find out how to receive a free fully functional 60 day trial license.



### Golden Gate Bridge

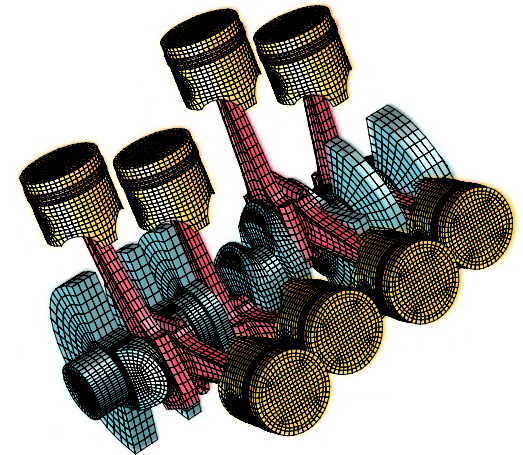
*The Golden Gate Bridge was meshed in the finest detail using beam, shell, and solid elements.*

## Contact

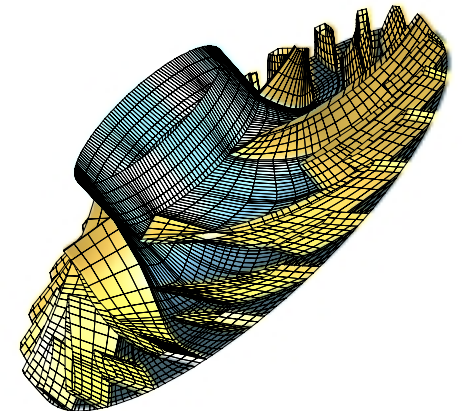
XYZ Scientific Applications, Inc.  
1324 Concannon Blvd.  
Livermore, CA. 94550  
**Tel:** 925-373-0628  
**Fax:** 925-373-6326  
**E-Mail:** [info@truegrid.com](mailto:info@truegrid.com)  
**URL:** [www.truegrid.com](http://www.truegrid.com)



## Mesh Generator and Pre-Processor for FEA and CFD Analysis



*FEA Mesh of Engine*

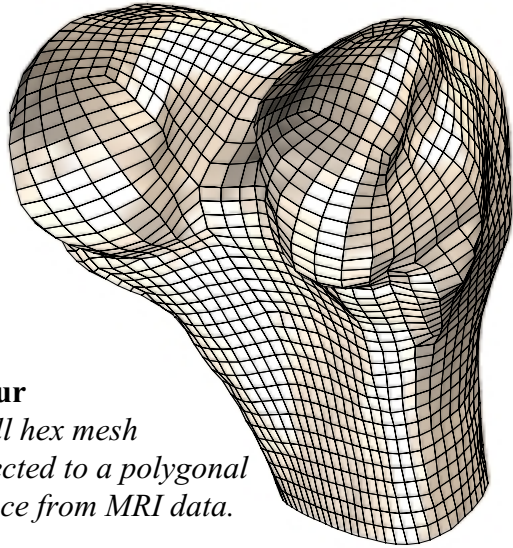


*CFD Mesh of Impeller*

## The TrueGrid® Advantage

### Quality Meshes

The TrueGrid® projection method along with multi-block structure approach produces quality near orthogonal meshes.



#### Femur

*An all hex mesh projected to a polygonal surface from MRI data.*

### Time Savings

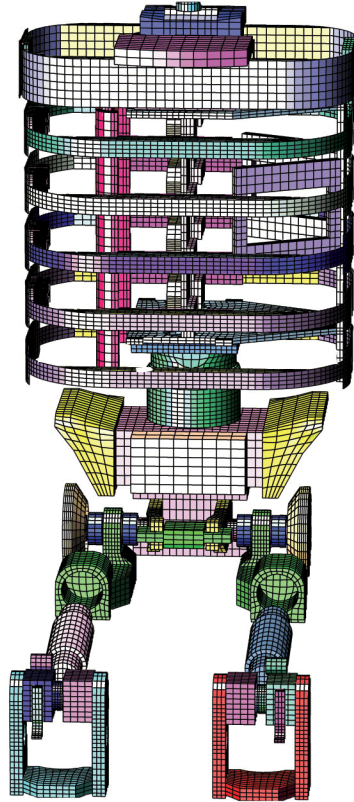
TrueGrid® takes the menial tasks out of capturing geometric features and meshes are formed more quickly and easily.

### Many Applications

- Structures
- Fluids
- Fluid-Structure Interaction
- Crash Worthiness
- Biomechanics
- Hydrodynamics
- Heat Transfer
- Electromagnetics
- Monte Carlo Methods

## Ideal For Complex Models

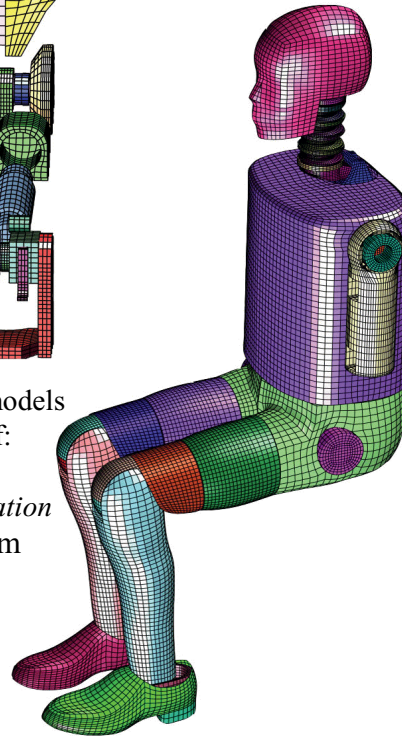
TrueGrid®'s features for assemblies and the multi-block structured approach makes it an ideal choice for meshing complex models.



#### Crash Test Dummy

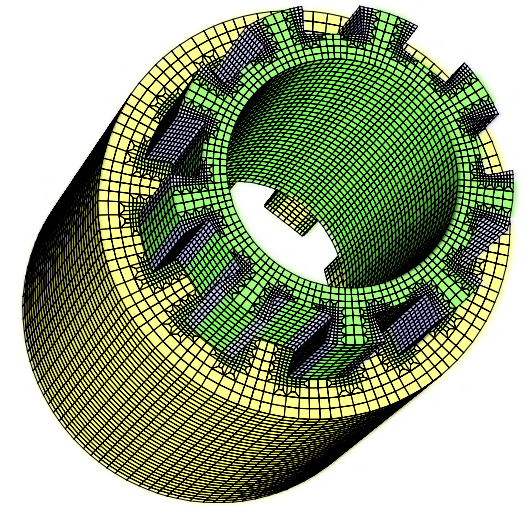
*Interior skeleton and outer region of dummy displayed. The many parts in this model were automatically glued together.*

Crash test dummy models provided courtesy of:  
*Livermore Software Technology Corporation*  
<http://www.lstc.com>



## Output Formats

ABAQUS	EXODUS II	MARC
ALE3D	FIDAP	NASTRAN
ANSYS®	FLUENT®	NIKE3D
AUTODYN	GEMINI File	PLOT3D®
CF3D	GILA	SAMI
CFX4	GRIDGEN3D	SAP 2000
CFX5	ICFEP	STARCD
DYNA3D	KIVA 4	TASCflow®
ES3D	LS-DYNA	TOPAZ3D
PATRAN Neutral File		



#### Sprocket

*Transition elements were used to match the different parts.*

## Availability

TrueGrid® is available on a UNIX workstation (SGI, IBM, HP, SUN, DEC ALPHA), Apple PowerBookG4, & MacBook Pro OSX, or All Windows & LINUX workstations on a x86 based PC or AMD Opteron (64 bit).