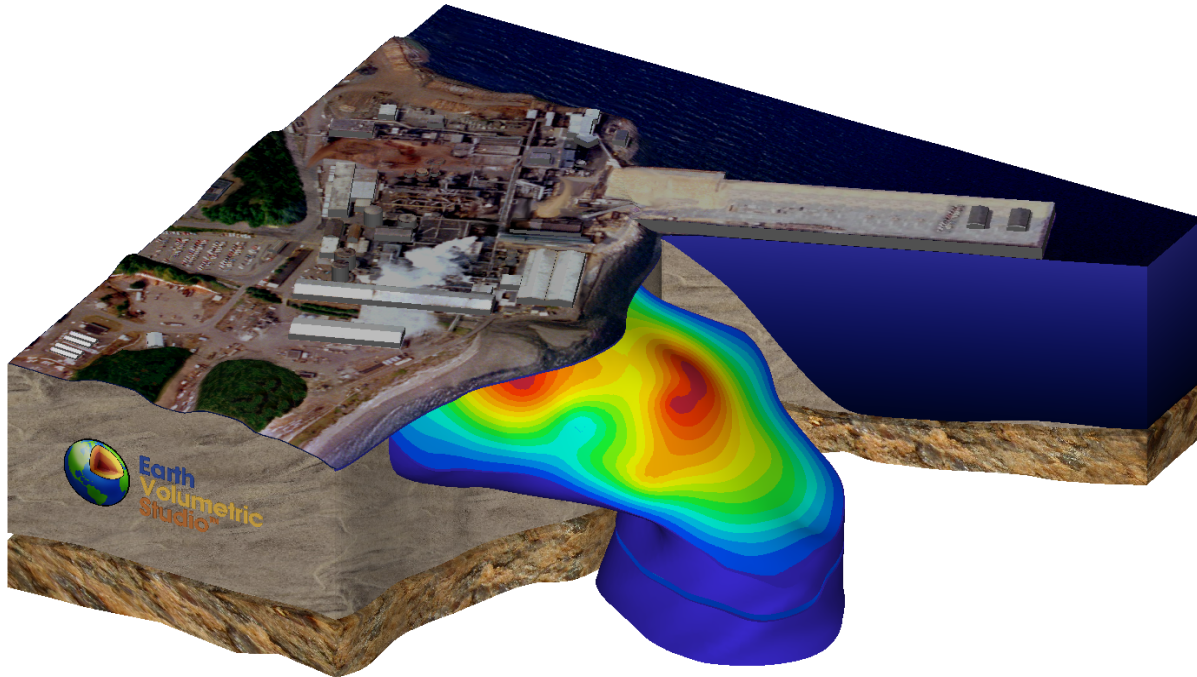




*Earth Volumetric Studio (Studio)* is the evolutionary synthesis of C Tech's Environmental Visualization System and Mining Visualization System integrated with new technology from years of EnterVol development. *Earth Volumetric Studio* retains the modular toolkit paradigm of its predecessors in an updated, user friendly environment.

*Earth Volumetric Studio* is a standalone Windows program which offers the ultimate in speed, power and flexibility. *Studio* unites advanced volumetric gridding, geostatistical analysis, and 4D visualization tools into a software system developed to address the needs of all Earth science disciplines. The graphical user interface is integrated with modular analysis and graphics routines which can be customized and combined to satisfy the analysis and visualization needs of any application. *Studio* can be used to analyze all types of analytical and geophysical data in any environment (e.g. soil, groundwater, surface water, air, noise, resistivity, etc.). *Earth Volumetric Studio's* integrated geostatistics provides quantitative evaluation of the quality of your data and site models and identifies locations that require additional data collection.



[3D PDF of coastal facility. Click to rotate, pan or zoom](#)

*Studio* includes C Tech's *DrillGuide*® technology which applies integrated geostatistics to provide quantitative appraisal of the quality of site assessments and identification of optimal new sample locations at sites that require additional investigation. This proven technology can dramatically cut site assessment costs whether you're searching for gold or groundwater contamination. Our tools improve site assessment and enhance your ability to analyze and present data for assessments, remediation planning, litigation support, regulatory reporting, and public relations.

*Earth Volumetric Studio* builds upon all of the capabilities of all prior C Tech software and adds powerful features targeted to the needs of mining engineers and planners, or the geologist or environmental engineer with the most demanding requirements. Features include:

- C Tech's unmatched visualization quality
- Deliver results as: Animations, 4DIM interactive models, Presentation Applications, 3D PDFs and Web based interactive models
- Borehole and sample posting;
- Model cutting using complex surfaces, 2D areas, 3D tunnel paths and more
- 3D fault block generation;
- Finite difference and finite element modeling grid generation and adaptive gridding
- Full Python scripting and high level animation support
- Exploding geologic layers;
- Interactive 3D fence diagrams
- Multiple analyte and time domain data analysis
- Integrated volumetrics and mass calculation for soil and groundwater contamination and ore bodies.
- Parameter estimation using expert system driven 2D and 3D kriging with complex variography, IDW, RBF, Natural Neighbor, and Nearest Neighbor
- Mine pit modeling & visualizing and modeling of ore body overburden

[3D PDF of geophysical model showing resistivity and density data for a coal mine. Click to rotate, pan or zoom](#)

C Tech offers the tools to help government and industry with their limited budgets, assess and cleanup the seemingly countless contaminated sites worldwide. With over 500,000 Brownfield sites in the U.S. alone, technology to cut costs is critical. C Tech provides that technology as evidenced by the use of our software by nearly all of the largest environmental and geotechnical consulting firms in the world as well as numerous government agencies in the United States and around the world.



3D PDF of MODFLOW model showing channelized flow with streamlines and animated arrows

Click the Play button (far left) to start the animation

C Tech was formed in September 1989 and during our 26 year history we have worked with many of the largest companies and governmental agencies in the world on many of the most complex environmental contamination sites.

C Tech's software is used by government agencies, universities and commercial companies. Our customers include the United Nations, U.S. Environmental Protection Agency, Environment Canada, U.S. Geological Survey, British Geological Survey, U.S. Army Corps of Engineers, U.S. Department of Energy Laboratories, U.S. Nuclear Regulatory Commission, U.S. Department of Transportation, Chinese Research Academy of Environmental Sciences, and the majority of the world's largest engineering and environmental consulting firms. Generally it is our software customers who turn to C Tech when they need consulting assistance with the most complex 3D modeling projects. In the United States, the majority of our consulting projects involve our providing technical support to lawyers and the consulting firms who are involved in multi-million dollar litigation. Our software and technical expertise has been on the winning side of lawsuits totaling over one billion dollars. For many of the largest companies in the world, when their reputation is at stake, they turn to C Tech and the software we have developed to tackle their most complex environmental and geophysics challenges.

Let C Tech help you demonstrate to your organization that using our software will help your organization:

- Be more competitive and cost effective when planning or conducting site assessments or remediation.
- Better monitor contaminated sites ranging from corner gas stations to Brownfield and superfund sites
- More effectively communicate with the public, U.S. EPA, and major consulting firms (many of whom are using C Tech's software on projects in your state)



**Photos of 3D Printed model**

**Consulting Services:** C Tech offers Earth Science consulting services for data analysis, modeling and visualization using EVS. Our services are designed to complement rather than supplant the role of engineering and consulting firms. C Tech can offer our services including animation creation and 3D physical models (as shown in the photo to the left on a firm-fixed price basis. Contact us at [sales@ctech.com](mailto:sales@ctech.com) or call 941-315-5740 to discuss your program requirements and data.