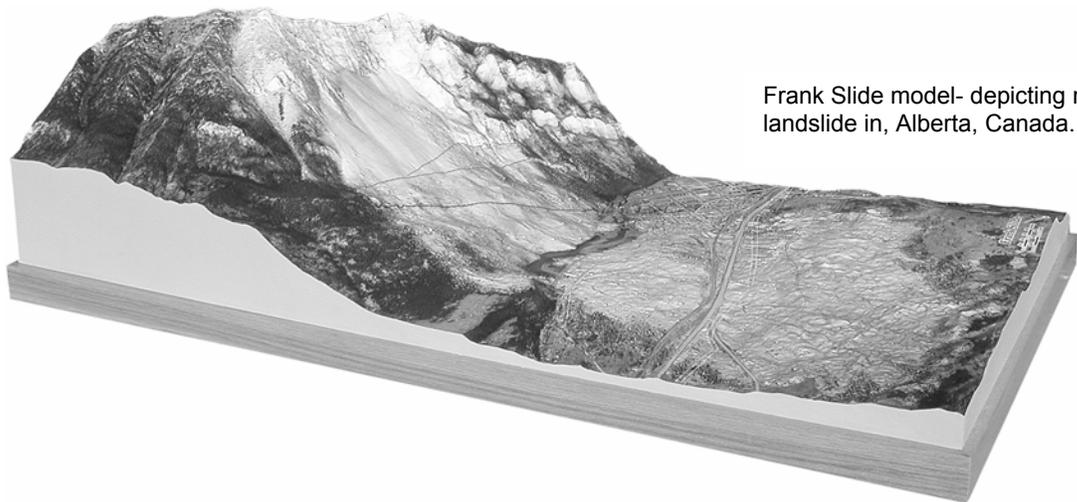


## SOLID TERRAIN MODELING INC.

In 1990 Lawrence Faulkner began research and development work on a computerized solid terrain modeling machine. Over a three-year period he designed, tested and built the production hardware, electronic interface and customized software. Subsequently, in 1994, he embarked on a targeted test market program to assess and commercially validate government (Federal, State and Municipal), military, institutional and corporate interest in his applied technology and product line in the mapping and modeling sectors.

In August 2000 Solid Terrain Modeling Inc was founded by Lawrence Faulkner and Mark Fisher. Leading a highly talented R&D group, Mark Fisher, created and developed the concepts and processes for a revolutionary printing process to allow full color photo realistic imagery to be added on the dimensional surface of terrain models, producing models of unmatched accuracy, realism and beauty.



Frank Slide model- depicting massive landslide in, Alberta, Canada.

### The Process

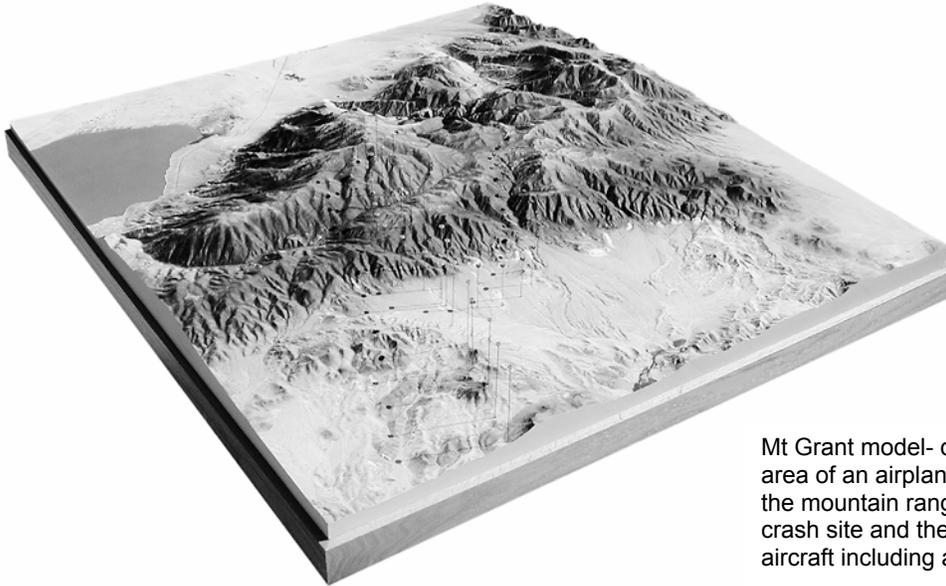
To produce a model, STM uses digital elevation and imagery data for the selected geographic area. The digital elevation data controls STM's highly calibrated cutting machine as it carves the model into high-density plastic foam. Then STM's printing machine applies the image data directly onto the model's surface. The result is an exact replica of the geographic area in breathtaking detail and brilliant color that is unmatched in the industry. Using this new technology, – a process that creates a model in days not months.

Other images, such as maps, photos, graphics, and text can also be printed on a model. The result is an exact replica of the geographic area -- in breathtaking detail, and in brilliant color.

## Markets Served:

STM's modeling services are rapidly being adopted by law firms, emergency response groups (fire, police, search and rescue), land management offices (construction, civil engineering, real estate, recreation), developers, transportation agencies, utilities (oil, gas, hydro), architects, museums, military, federal, state and municipal agencies, the U.S. Department of Defense and others. Companies and agencies that need to communicate clearly, educate at all skill levels, and bring the planning process to a new level, seek out STM models.

Seventeen STM models of world landmarks are now on permanent display at the National Geographic Society's Explorers Hall museum in Washington, DC.



Mt Grant model- depicting the general area of an airplane accident, including the mountain range, nearby airport, crash site and the flight path of the aircraft including altitudes.

## Products and Services:

STM can provide a custom model of any spot on earth, work with most data formats and build virtually any size model. If clients don't have the data for their area of interest, STM has access to all major data sources and can prepare the data sets for the project. Any combination of aerial photographs, satellite imagery, maps, pictures, graphics and text can be printed on a model. Architectural and stylized elements are also available to enhance model applications.

"STM models are ideally suited for landscape visualization, providing a comprehensive view of the complex world in which we live. Whether you need a model for a tabletop or to fill an entire room, STM is the undisputed leader in this unique sub-discipline of cartography."

Tom Patterson  
Organizer-International Cartographic Association  
2002 Mountain Cartography Workshop



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