Vricon offers high-accuracy 3D data for decision makers, available today with global coverage regardless of terrain type. The data is produced with a unique automated technology, delivered rapidly and with high precision. It is based on commercial satellite imagery, without ground control points.

Superior accuracy
All Vricon data products are built from commercial satellite imagery, using the same industry-leading automated 3D production process and highest standards. The core output – Vricon 3D Surface Model – is the most accurate representation of Earth. It is a 0.5m-resolution 3D product with real textures and an absolute accuracy of 3m in all dimensions, SE90. The accuracy is achieved without ground control points and is consistent on all surfaces and terrain types, including building facades. SE90 is the abbreviation for Spherical Error 90%, which is a measure that combines the traditional LE90 and CE90 measures.

Global coverage
Vricon’s unique access to the largest commercial archive of high-quality satellite imagery provides a foundation for consistent global coverage.

A unique technology
Vricon’s unique technology is a combination of stereophotogrammetry and big data processing. The fully automated technology is sensor agnostic and does not require ground control points.

Rapid delivery
Instant deliveries are available from the fast growing, off-the-shelf archive via physical media or electronic download. Current delivery time for countrywide AOIs not yet on the shelf is weeks to months. Total production capacity by mid-2016 is projected at 2 million square kilometers per month.
Decision ready
The data’s completeness allows the customer to easily and immediately draw conclusions directly from the data itself, without traditional conversions or complex data manipulations. The resolution and accuracy of Vricon 3D Surface Model provide for superior analysis and decision making in a range of applications: within security and defense, as well as other industries.

FEATURES
- Global coverage
- Superior accuracy
- Market-leading resolution
- Rapid deliveries
- Covers all terrain types

ACCURACY
- Absolute:
  3m SE90
  3m CE90
  3m LE90
  1.8m SEP
- Relative:
  1m SE90
- Valid on all surfaces and terrain types
- Valid without using ground control points
- SE90 = Spherical Error 90%, a tough measure that combines CE90 and LE90

* Specifications subject to change without notice

Data exploitation
The Vricon 3D Surface Model is delivered in a native data format, designed for efficient storage and streaming of large datasets. The data format has built-in security measures such as tampering control. The Vricon system is built for integration or standalone use, providing geospatial exploitation capabilities to existing systems.

EXPLOITATION
- Standalone through Vricon Explorer
- Directly supported in Esri ArcGIS platform
- In any system through integration
- Through standard data formats

SPECIFICATIONS
- Resolution: 0.5m
- Textures: True photorealistic textures on all sides of buildings and terrain features
- Data size: Typically 1.5 - 2.0 MB/km²
- Delivery: Online via the Vricon cloud, FTP or HDD
- Data Format: ATIN mesh with real textures, optimized for secure and lightweight streaming of large datasets. Other formats available upon request.