



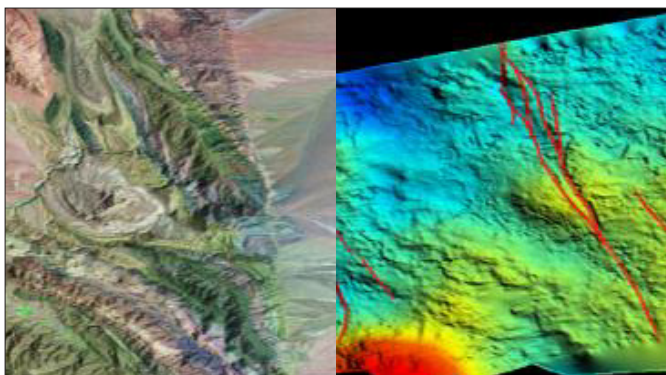
## ERDAS® ER MAPPER

ER Mapper professional software is widely used in the exploration industry and by geologists worldwide for satellite image exploitation.

It is known for its:

- Powerful image processing
- Image integration platform for remote sensing and geophysical imagery
- Domain specific workflows
- Easy to use, intuitive interface and wizards
- Unique data display tools to enhance satellite and aerial imagery, elevation and geophysical datasets
- Imagery preparation tools for web data deployment

With the ever increasing number of 3-D seismic surveys being acquired, it is essential that interpretation of the data be both effective and efficient to ensure that maximum information is derived. Image processing, traditionally applied to datasets such as satellite images, has now become an important tool for exploration geophysicists to analyze interpreted seismic horizon datasets and their associated attributes.



In concert with ERDAS® IMAGINE, ER Mapper provides unique capabilities for enhancing and visualizing surface interpretations, and integrating data from a variety of sources to create top quality map products. ER Mapper can lower exploration costs by aiding detection of subtle structural features and lineations not readily discernible by other means. This type of information can, for example, be used to improve the positioning and accuracy of target wells in the oil and gas industry.

### ER Mapper provides many features to visualize and integrate interpreted seismic and attribute data, including abilities to:

- Process and integrate geophysical, geochemical, satellite, digital terrain, radar, airphotos, scanned maps, vector GIS, and other data for combined analysis.
- Apply sophisticated illumination and shading effects to geophysical data to rapidly identify gradients and trends, subtle geological features, and processing artifacts.
- Interactively combine structure and other images into a single display by showing data as both color and brightness using a technique known as colordrapping.
- Use math functions to generate dip, azimuth, isochron, vertical derivatives and continuations of potential field data, Landsat band ratios and principal components, and other common transforms.
- Use Fourier transforms (FFTs) to apply processing in the frequency domain, such as reduction to pole of magnetic data.
- Register satellite images to actual locations of seismic shots.
- Tie subsurface images to surface geology.
- Combine different types of raster, vector, and tabular data into a single visualization.
- Render top quality, annotated image maps to over 230 hardcopy devices and standard graphics file formats.

## DOMAIN-SPECIFIC WORKFLOW WIZARDS

ER Mapper incorporates more than 25 wizards, which makes many complex or common image processing tasks as simple as clicking through a small number of steps. The wizards let novice users undertake complex image processing tasks, while providing experienced users with convenient tools to make tasks simple and fast.

### GEOSCIENCES AND EXPLORATION WIZARDS

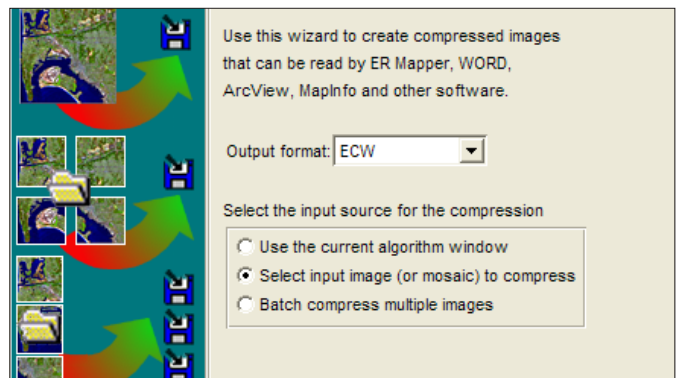
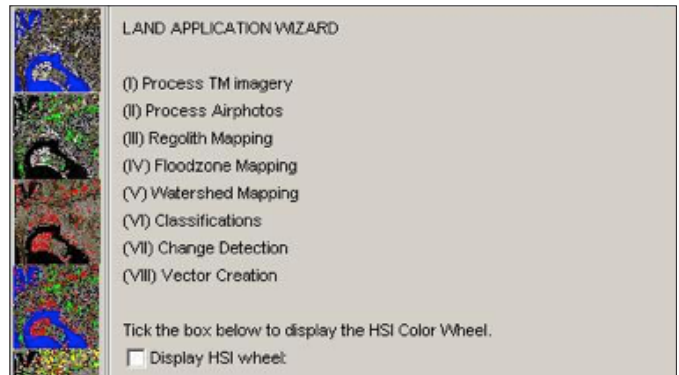
- Common Geophysical Images Wizard
- Contouring Wizard
- Mineral Exploration Wizard

### ENVIRONMENT, URBAN PLANNING AND UTILITIES WIZARDS

- Land Application Wizard
- Local Council Applications Wizard

### DATA PREPARATION WIZARDS

- Image Display and Mosaic Wizard
- Image Balancing Wizard
- Image Compression Wizard



## ABOUT POWER PORTFOLIO

The Power Portfolio from Hexagon Geospatial combines the best photogrammetry, remote sensing, GIS and cartography technologies available. Flowing seamlessly from the desktop to server-based solutions, these technologies specialize in data organization, automated geoprocessing, spatial data infrastructure, workflow optimization, web editing, and web mapping.

The Producer Suite enables you to intelligently author, analyze, process, and map multiple sources of data.



## ABOUT HEXAGON GEOSPATIAL

Hexagon Geospatial helps you make sense of the dynamically changing world. Known globally as a maker of leading-edge technology, we enable our customers to easily transform their data into actionable information, shortening the lifecycle from the moment of change to action. Hexagon Geospatial provides the software products and platforms to a large variety of customers through direct sales, channel partners, and Hexagon businesses. For more information, visit [www.hexagongeospatial.com](http://www.hexagongeospatial.com) or contact us at [marketing@hexagongeospatial.com](mailto:marketing@hexagongeospatial.com).

Hexagon Geospatial is part of Hexagon, a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications. Hexagon's solutions integrate sensors, software, domain knowledge and customer workflows into intelligent information ecosystems that deliver actionable information, automate business processes and improve productivity. They are used in a broad range of vital industries. Hexagon (Nasdaq Stockholm: HEXA B) has more than 18,000 employees in 46 countries and net sales of approximately 3.3bn USD. Learn more at [hexagon.com](http://hexagon.com).