GeoMapPro

Web-based geological mapping

Turn specialist presentation rules into reusable templates so research, operations, and management teams can generate, verify, and continuously use professional maps by business object.

Operating context

Frequent mapping with stable rules

Create plan maps, single-well displays, cross-sections, and development curves for wells, well groups, and blocks, supporting discussions based on a common set of materials.

Current workflow gaps

01 Repeated data searches and configuration

Common maps are prepared and updated separately.

02 Inconsistent bases across maps

Units, time windows, and versions require manual checks.

Expected deliverable

Professional maps built on reusable rules and a verifiable common basis

Capabilities and value

01 Reduce repeated presentation configuration

Reuse map structures, styles, and field mappings. Specialists maintain the rules while users complete routine tasks by selecting business objects.

Evidence: template configuration and one-click mapping interface

02 Give multiple maps a common basis

Unify objects, fields, units, time windows, and interpretation versions, and check affected maps after data updates.

Condition: refresh and cross-map update mechanisms must be confirmed

03 Connect materials with team outputs

Select objects in a configured vector map to navigate to related business materials; save and share results online after review; and hand off to GeoMap for detailed refinement when required. Condition: object links and access permissions determine the available scope

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Workflow and application

Research, operations, and management roles │ Business objects and templates │ High-frequency mapping

Inputs

Connected business data
Fields, units, and versions
Professional graphics components
Applicable template rules

Product workflow

1. Maintain templates and field mappings
2. Select objects to generate maps quickly
3. Adjust, navigate, and save

Outputs

Professional maps and adjustment results
Business information linked to objects
Shared and refined outputs

Specialists review geological understanding, engineering reasonableness, and adoption of the outputs.
Input conditions: compatible data and templates Responsibility boundary: source-system write-back, cross-map updates, and interactions are confirmed according to configuration

Typical task and product evidence

Application example: template-based mapping, object navigation, and online maintenance

Product materials show the template configuration, one-click mapping, and object-navigation paths.
For the same task, record the full effort for preparation, configuration, review, and correction.

Adoption and integration

Core work: template-based mapping and output maintenance
Applicable resources: components and templates confirmed in the delivery scope
Integration dependencies: data mappings, object links, and permissions

Discuss a pilot

Select a real task.
Confirm the data and scope together.
Carry out mapping and review the results.