

Energica ASPL | Customer Success Story

Digital Tax Platform for the Insurance Industry

Automating US insurance premium tax — multi-state, municipal and surplus lines

CLIENT	INDUSTRY	FOOTPRINT	SCALE
Tax Services Company	Multi-line Insurance	50 states + DC	2.5M policies

The Challenge

Insurance premium tax is levied by all fifty states and the District of Columbia on gross direct premiums, at rates that vary by state and by line of business. Retaliatory provisions, municipal fire taxes, county levies and surplus lines assessments stack on top. Across a 2.5 million policy book, all of it was being computed on spreadsheets and manual rate lookups.

- **Rate tables out of date** — fifty state regimes plus retaliatory and municipal rates, maintained by hand, driving inaccurate payments and penalties.
- **Data assembled manually** — every cycle rebuilt from scratch, with error-prone datasets and incomplete audit trails.
- **Tax overstated** — conservative assumptions absorbed as cost, eroding margin in a thin-margin business.
- **No system of record** — filings could not be traced back to the underlying policy, making DOI audits slow and expensive.

The Solution

Energica ASPL built and deployed a cloud-based tax platform purpose-built for insurance. It ingests premium data directly from upstream systems, calculates liability across every state, municipal and surplus lines obligation, and retains each calculation with its inputs and rate version — a defensible trail from filing down to individual policy.

- **Scale** — 2.5 million policies tax liabilities computed automatically in under an hour, turning a multi-day close into an on-demand run.
- **Automated ingestion** — policy, billing and financial systems, with flexible ERP and downstream integration.
- **Digital traceability** — compliance, audit and financial control from one governed source.
- **Policy-level analytics** — geo-mapped attributes for underwriting, pricing and sales.

Technology: ASP.NET, Node.js, React.js, D3.js, SQL Server · SAP HANA 4, SAP Analytics Cloud, SAP BTP on Azure

Outcomes

2.5M	50 + DC	100%	ETR
policies processed in under one hour	state, municipal and surplus lines obligations covered	policy-level digital trace for compliance	effective tax rate predictability on demand

- **Real-time tax position** — the full book calculates in under an hour, so premium tax is available on demand rather than at period close.
- **Audit-ready by default** — every calculation retains its inputs and rate version, giving auditors policy-level evidence with no preparation cycle.
- **ETR predictability** — finance forecasts the effective tax rate against live data instead of reconciling it retrospectively.
- **Scalable foundation** — new states, municipalities, and lines of business onboard as configuration, not as projects.