



Automating Land Titling and Registration with Camunda Platform

- Faster time to titling and taxation for registered properties
- Cut manual processes for land-title registration by two-thirds
- Greater flexibility to respond to changing government and regulatory environments
- End-to-end process automation integrates with existing cadastral, land database and document management systems

Background

Sogema Technologies is automating the time-intensive process of land title and deed registrations, providing a flexible solution powered by the Camunda Platform to its federal, regional and municipal government clients. With Camunda, Sogema streamlines the orchestration of land registrations from initial title search through registration, fee assessment, and taxation. Registrations are linked to both cadastral and historic title data and shared with national databases, with BPMN workflows modeled, run, and analyzed with Camunda process automation solutions.

Automating land titling and taxation requires developing workflows that often incorporate more than a century's worth of historical land and title data, mortgage information, cadastral maps, and more. In some cases, new titles may bring previously unregistered land onto tax rolls for the first time, creating new records adding tax revenue for a municipality. Land titling offices also have to keep up with an ever-changing regulatory environment and tax structure. Automated workflows for land titling and deed registration aren't static, and land administrators need flexibility to customize titling and deed processes regularly and visibility to see that land transfers are processed and recorded efficiently.

End-to-end process automation for land registration

Sogema's eLAND solution orchestrates land and property registrations, starting with the notary who initiates a transaction, through historical title and lien searches to registration, to registration, fee assessment, and taxation. Land management workflows in eLAND are modeled, executed and monitored in Camunda Platform. The process is automated to populate existing data within eLAND automatically,

cutting manual tasks related to registration by as much as two-thirds. Tasks then requiring manual support are automatically assigned through Camunda Tasklist, while Camunda Cockpit provides visibility to users about outstanding tasks and a transactional dashboard. Heatmaps and dashboards within Cockpit allow land management officials to monitor workflows and task distribution, identifying bottlenecks in the process and ensuring registrations are processed in a timely manner while also ensuring registry data is standards compliant. Workflows support document management, payments, electronic signature recording, and more. Camunda's process automation easily integrates with existing database and document management solutions as well as revenue and payment processing applications. Registrations are linked with historical title and property data as well as cadastral records.

"The strength of eLAND is in its flexibility, and our ability to give administrators the tools to iterate on their process models to make processes more efficient," said Alexandre Derégel, eLAND project manager at Sogema Technologies. "Land management automation projects can fail if they're not able to keep up with ever-changing regulatory environments and government leadership. With Camunda, we're delivering a Land and Administration Platform that land and taxation offices can confidently build their automation practices around."

Faster Time to Titling and Taxation

Sogema's initial eLAND deployment spans multiple land registration offices for one French-speaking nation, with a second country scheduled to come online in the near future. In both use cases, eLAND enables land and tax offices to cut days out of the land registration process, helping land offices better establish and manage land registrations, bring newly registered properties onto tax rolls faster, and have better visibility into rates of ownership, leases, and tax revenue. Analytics provide insight into workloads of individual offices and administrators, making it possible to redistribute tasks for better efficiency.

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