



Spatial Data Infrastructure Project

Case Study

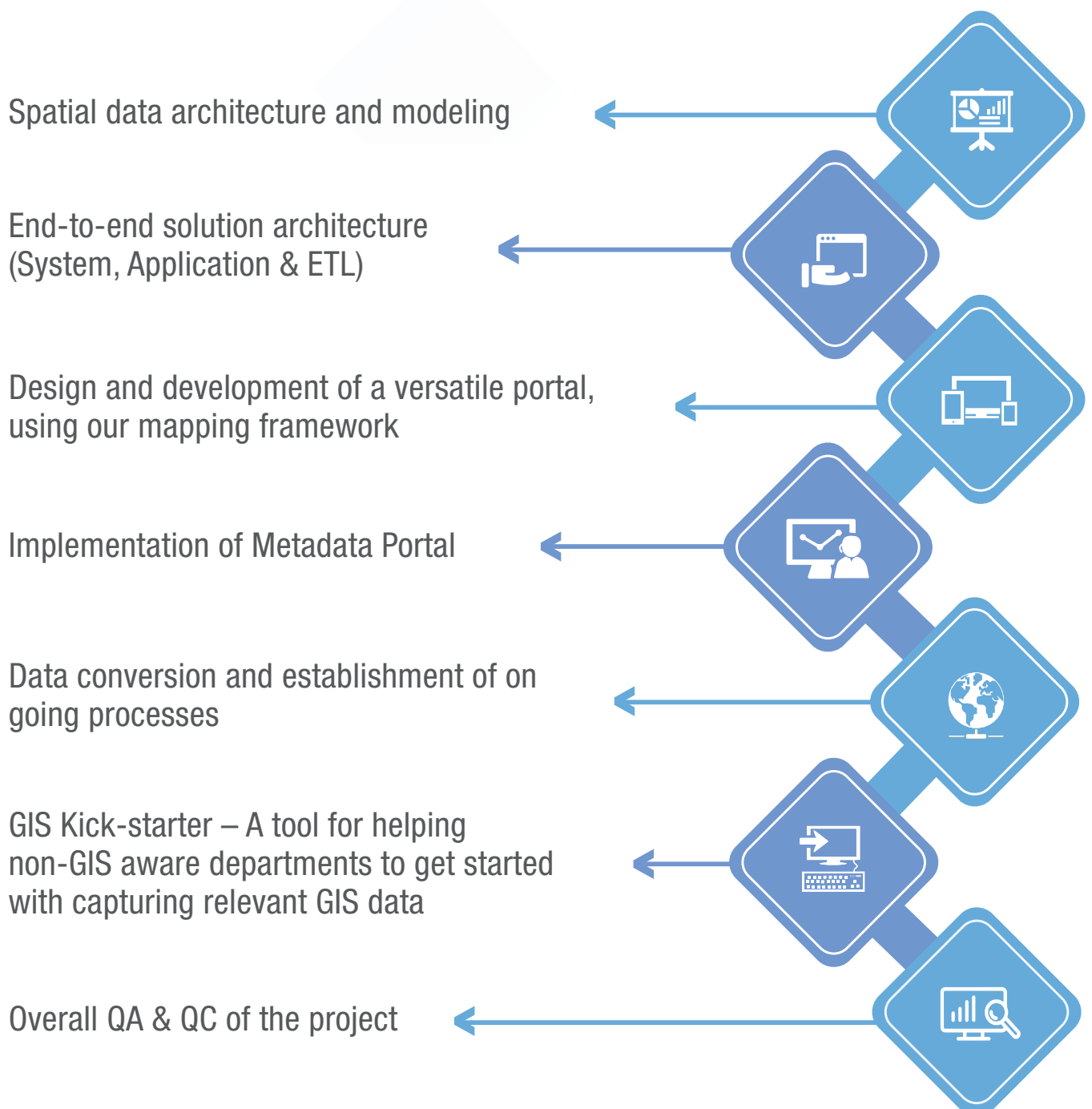
Background and Scope

This project belongs to a prominent city in Asia. Various government organizations in the city have substantial volume of geospatial data assets built through long years. Like any rapidly evolving cities, there was a significant challenge that various government organizations have adopted different processes, standards and technologies to develop and maintain their data, making essential data sharing extremely difficult and less practical in an on going scenario.

To put these invaluable data assets of the city into greater use for the overall growth and development towards a master map, a massive data standardization and consolidation effort was inevitable. In observation to the emerging best practices in the region and across the developed world, city administration decided to implement a Spatial Data Infrastructure (SDI) for the city.

Execution Model and AflexGIS' Role

With many stories of failed SDI projects across the region and the world, this project as conceived and approached by the administration in a very cautious manner. A coalition of companies was formed based on merit. AflexGIS (Naico ITS at that time) played a very significant role in this coalition with the ownership of vast majority of the project deliverables, including the following.



This project was executed in a on-site / off-shore hybrid model, where development and preparation of deliverables were performed off-shore while all client facing, and data and security oriented activities were performed onsite. We devised an optimal operating model that is cost efficient while strictly adhering to all security measures.

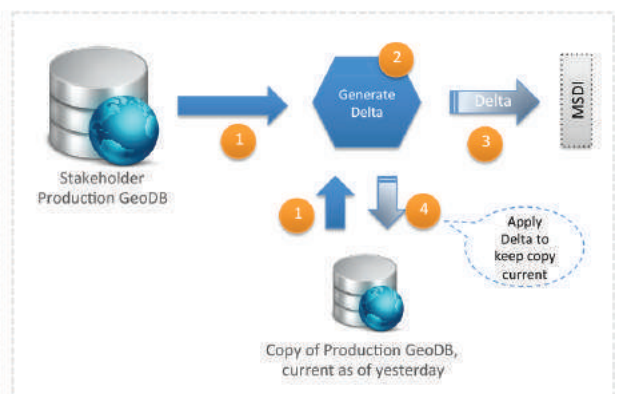
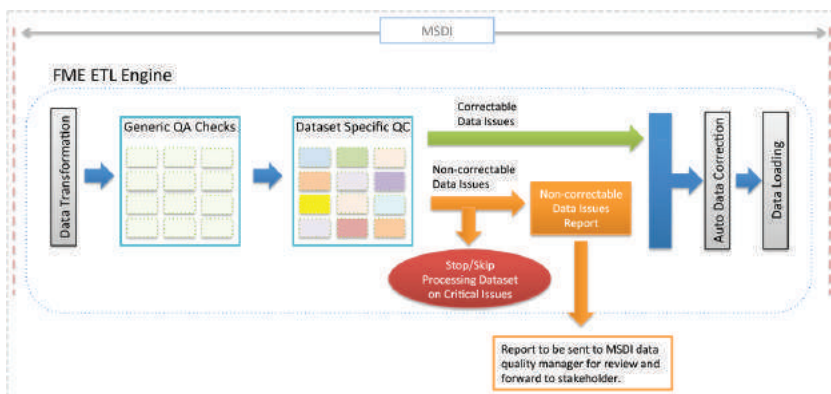
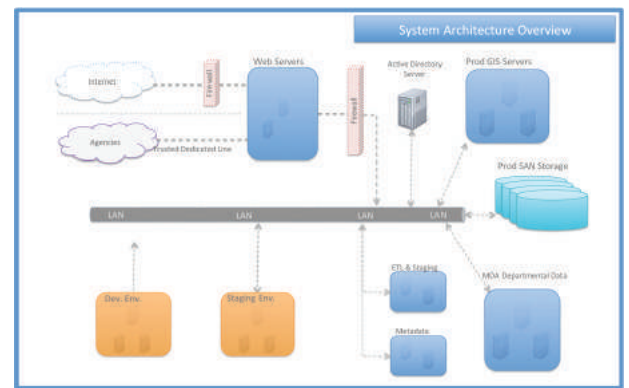
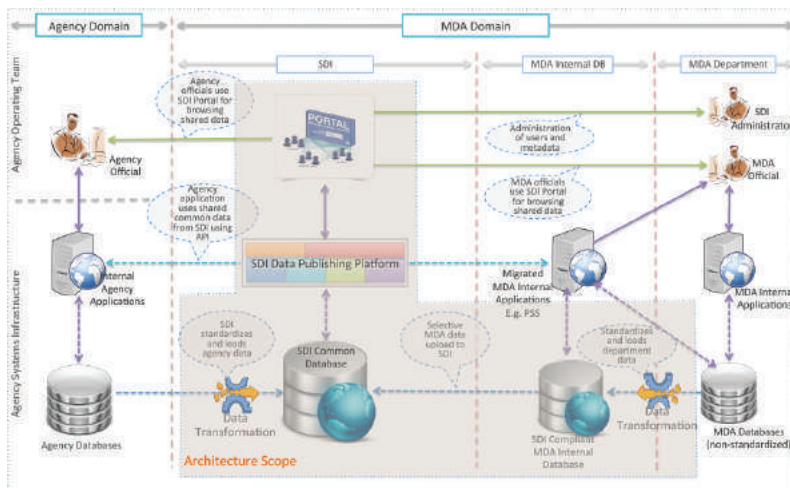


Figure 1: Some of the desensitized architectural diagrams

This project had many significant challenges that we successfully tackled, including...

- Involvement of many government organizations
- Dealing with sensitive data in a highly secure manner, while executing in an onsite/off-shore model
- Drastically varying requirements due to the involvement numerous stakeholders
- Involvement of multiple vendors from different countries

Project Outcome

Project is currently progressing through beta release with an outstanding solution implemented and a very happy client. Project was executed in a highly cost efficient manner, actually at a fraction of the cost than any comparable SDI implementation in the region.

Country's National SDI Committee has reviewed this project and we received the following quote from our client.

“we got excellent feedback and admiration from NSDI committee and their international consultants for our SDI best practices approach and implementation which they said its a perfect model for other cities to follow”