

A Flying Start — Network roll-out at record speed with a Platform as a Service solution from IS Tools

Customer

A fortune global 500 provider of telecommunication equipment, system integration and related services to mobile and fixed network operators. The company is a world leading, end-to-end telecommunications solution provider to more than 1000 networks in 140 countries – 40% of all mobile telephone calls are made through systems this company sells and supports.

Objective

Within 12 months, roll out a new, large and complex network, while simultaneously upgrading and integrating an old network for a major mobile telecommunications operator in the South Pacific region. The objective was to “green field” deploy and commission more than 5000 3G sites and, in parallel, upgrade the existing 2G networks to 3G at 2000 sites, within six months. To meet this objective within the 12 month goal, a substantial number of internal and external subcontractors were enlisted to conduct a multitude of work activities in parallel. Critical to the accomplishment of the objective was for project management to operate with the highest level of effectiveness and efficiency with a razor thin margin for error.

Identified mission critical capabilities:

- Complete control at all times
- Strict adherence to the schedule
- Accommodate coordination and collaboration of stakeholders
- Readiness to jumpstart and support a diversified and dynamic project
- Complete, accurate and timely information with different access levels to different stakeholders

Solution

The IS Tools Platform as a Service (PaaS) system for Cloud Computing based solutions was selected for the entire undertaking of building, launching and deploying the end-to-end information system for management and roll-out of the project. Professional services from IS Tools AB assisted in a rapid application configuration and deployment of the platform. A foundation for ‘best practice’ gained from previous roll-out projects using the IS Tools platform provided the template for getting the project ‘kicked off and flying’.

Features of the IS Tools PaaS based solution:

- Report, track and monitor progress on-the-fly and with transparency
- Structure, delegate and distribute work assignments rapidly, with control
- A common communication vehicle for sharing accurate and timely information
- Dynamic online adaptation of project structures and process logic to deal with changes
- Proven and cost effective IT platform
- Large and scalable concurrent usage for all stakeholders through Internet web browsing

Benefits:

- Boosted project speed and enhanced value chain efficiency, from end-customer through to sub-contractors, by providing process and teamwork support
- Short lead time for project start-up
- Ability to run many tasks simultaneously through proactive project management and performance measurement
- Deliver targeted project quality and productivity

Without IS Tools we would never have been able to keep the network roll-out speed at this level

Senior Manager





The Story

Telecommunications operators measure revenue streams by uptime and capacity utilization of the network, and neither can be stored nor delivered later. Even instances of short downtime or reduction in network capacity can result in a huge loss of revenue with adverse bottom line impact. Vendor contracts involving strict and often costly penalties by reason of time delays are common in the industry.

The customer used the IS Tools Cloud Computing based Platform as a Service software system, to configure and setup the comprehensive business application covering the full scope of the undertaking – project management from driving and controlling synchronized work processes and activities to monitoring and reporting progress. Information input and access, underpinning the effective use of resources, were delegated to stakeholders (e.g. company staff, customer and subcontractors) for an efficient information flow.

Geographically dispersed users employed web browsing for instant access to crucial information, as well as to an aggregated overview. This enabled the customer to maintain an extremely high execution pace in commissioning of sites (peaked at > 400 sites/week). Further, a project team of over 1500 people was depending on the IS Tools PaaS based application to manage their daily work.

All critical aspects of the project were easily set up together with appropriate relationships. These aspects and relationships could be maintained (e.g. extended or amended) at any time while the system was live with active users.

The IS Tools Platform as a Service product for Cloud Computing based solutions addressed and delivered the critical capabilities required and was a crucial factor in the success of this project.

Shortens time-to-productive system

The Product

IS Tools is the ultimate Java based Cloud Computing Platform as a Service (PaaS) engine and software tool for corporate and enterprise use.

Capability highlights:

- PaaS engine for delivering on-demand applications
- Provides a ready and easy to use point and click framework for modeling and configuring a complete IS application with:
 - set-up of structures, rules and logical aspects
 - management of complex access rights for internal and external users
- Dynamic adaptation in real-time while users are online
- Web access and browser based
- Scalable to accommodate for large operations and concurrent usage
- Multilingual support
- Proven
 - supports a wide range of business critical processes 24/7/365
 - 30000 corporate users in more than 40 countries

The Company

IS Tools AB provides the foremost adaptive information system tool and Cloud Computing Platform as a Service engine mirroring and supporting your business processes.

We deliver:

- a cost effective, proven, powerful and flexible PaaS product solution with associated professional services
- an information system and solution aligned with your business processes and not the other way around

The provider of the adaptive IS solution for

- sustainable competitive advantage
- operational excellence