



## **Geo Connect 2011 SaaS and the Cloud**

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# Software as a Service (SaaS)



- Old concept in a new vest
- Well suited to support web-light applications
- Relieve end customer of all IT infrastructure
- Rides on the wave of Cloud Computing
- Can it be successfully applied to Infrastructure GIS applications?



# SaaS



- Ups and downs
  - Service Bureaus, Time-Sharing, PCs, Internet, Cloud Computing
- New scenario
  - IT infrastructure becoming more complex
  - Security issues
  - Software upgrades applied more often
  - Network is the computer
  - Globalization
- Go SaaS!



# Much more



- *Reduced start up costs*
- *Investment with the increase of profit*
- *Everything paid as a service (including support)*
- *Location independence*
- *No scalability issues*
- *Device independence*



# Infrastructure GIS



- Mix of CAD and GIS activities
  - Short, medium and long duration transactions
- Support for diverse activities
  - Marketing and Planning, Sales, Engineering, Construction and Operations



## Barriers to overcome

- SaaS is a big step from the traditional sentiment of in-house system ownership and internal IT support – to a distant, delegated, epiphany of hosted applications and data via cloud computing
- Trust in the network pervasiveness
- Fear of being a pioneer



# To overcome the barriers

- Provide a working environments as close as possible to current mode of operation
- Do not compromise security
  - Only secure communication
  - No shortcuts to secure assets
  - Firewalls, closed hosted environment, domain authorization
- SLA at high levels
- Acceptable bandwidth



# Geo Connect 2011

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