

# Architectural Principles Schiphol Group



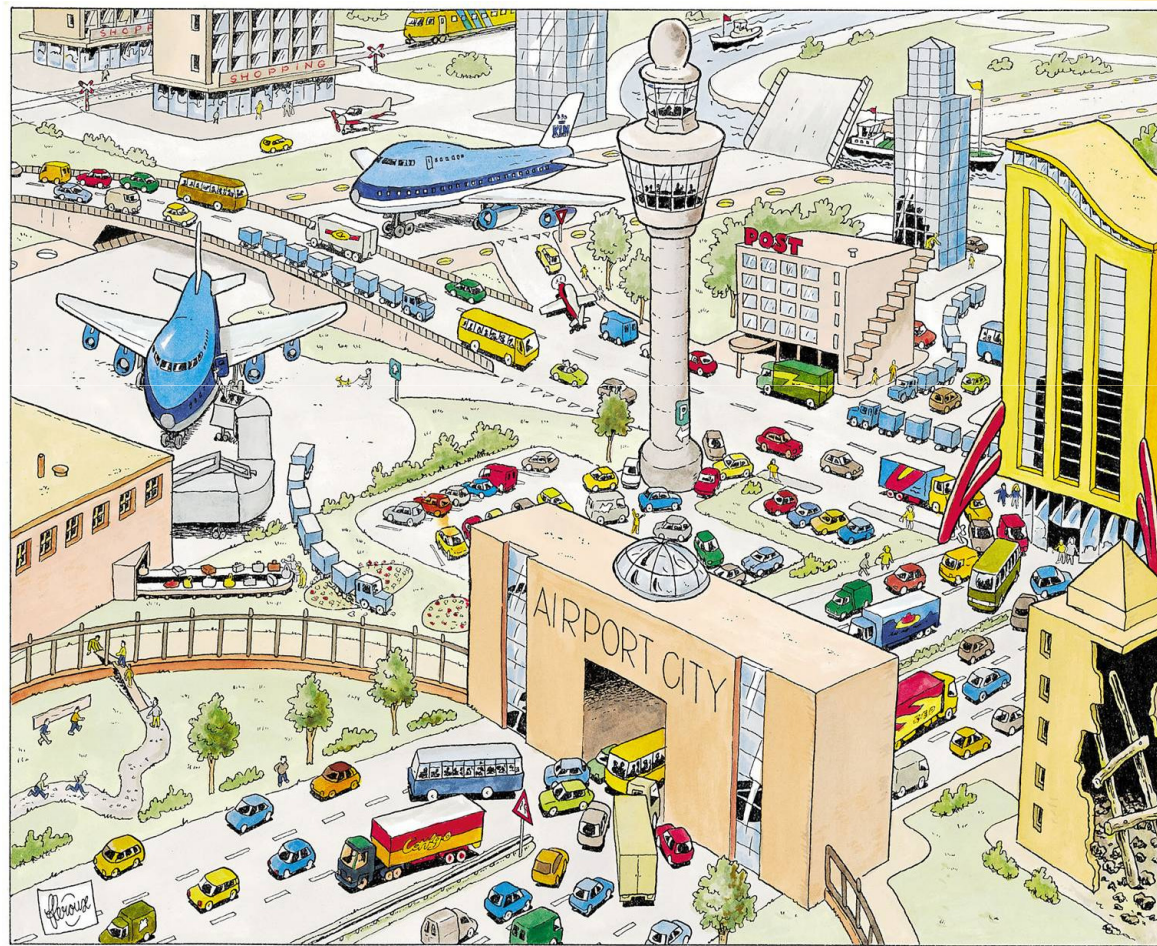
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Schiphol Group

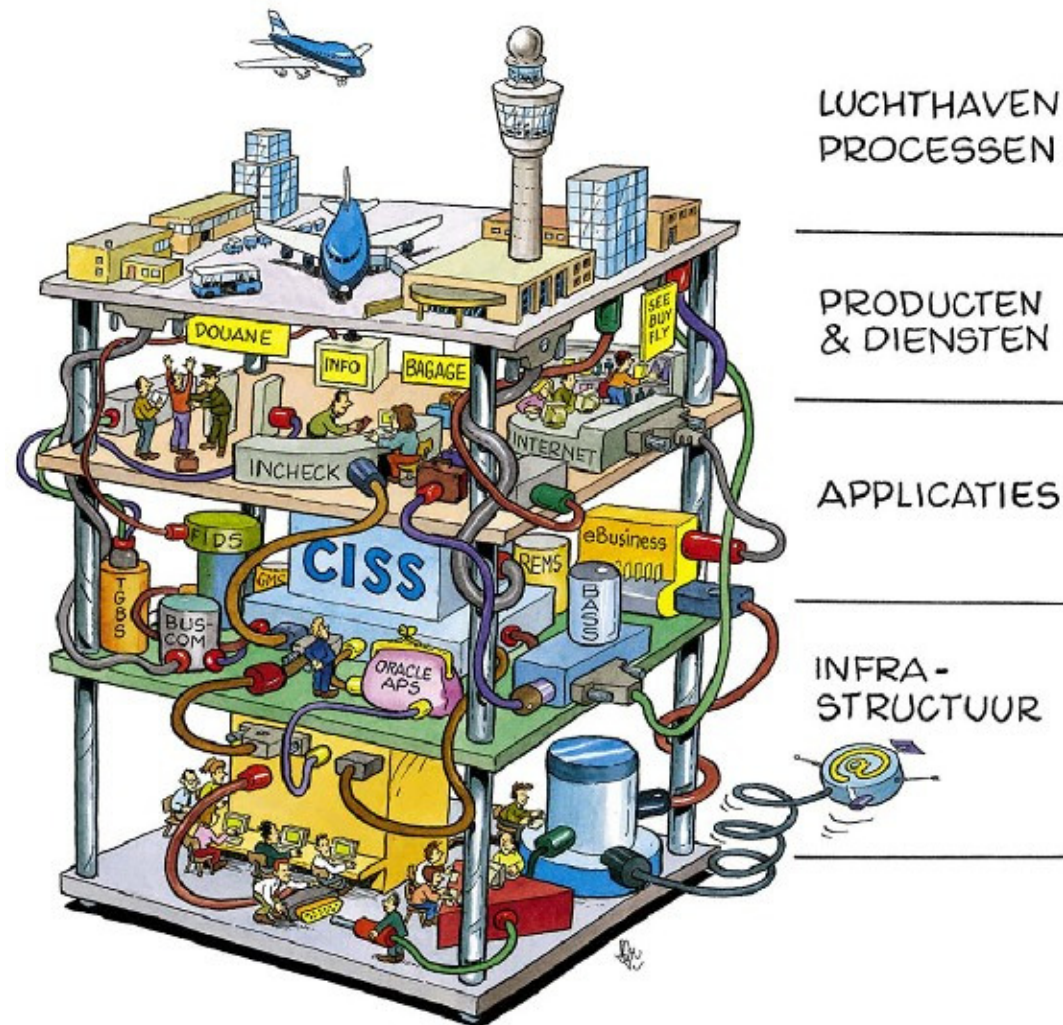




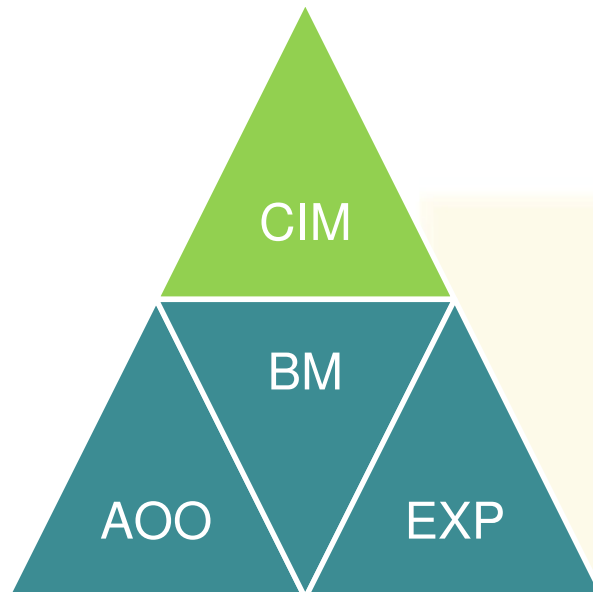
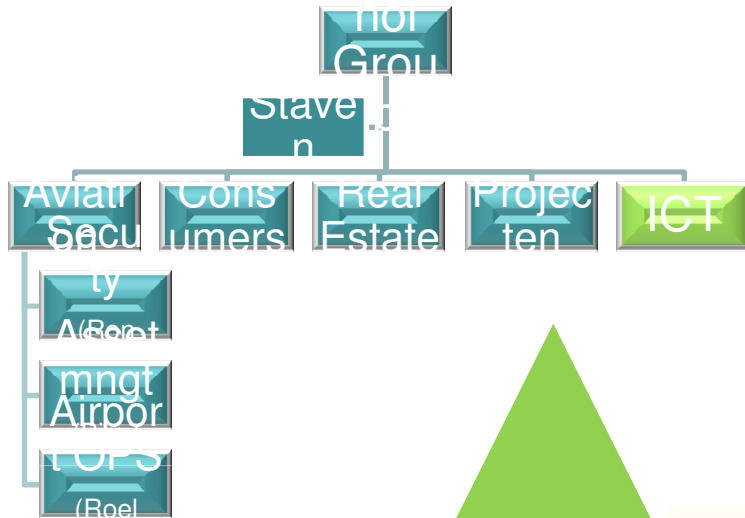
# Introduction: movie time!



# The challenge for IT



# Schiphol Group ICT make *IT* happen



- ☐ ICT Master plan
- ☐ Business Information plan
- ☐ Project Portfolio Management
- ☐ Architecture
- ☐ Architectural Principles and ICT policies
- ☐ Innovation

- ☐ Business – ICT alignment
- ☐ Trend watching
- ☐ Roadmaps ICT environment
- ☐ Initiating innovation



# Principles on principles

- Less is more
- Behavioral guidelines
- Basis for more elaborate IT policies



# Follow up products

- Vision documents
- Policy documents
- Project filtering
- Ad hoc advice
- Sector architecture principles
- Reference Architecture(s) & PSA



# Experience 2003-2008

## First set of 10 principles

Really worked:

- Re-use before buy before build
- Standardization



Really didn't work:

- Corporate Data Model



Amsterdam  
Airport Schiphol

# Revision per 2008

## Update of the principles

### Focus on Service Orientation

- Canonical Data Model
- Services





# The 11 architectural principles (I)

- Decide based on a cost/benefit analysis
- Link the process and ICT to business objectives
- Embrace best practices, as well as open and *de facto* standards
- Design for adaptability
- Create IT solutions that are easy to manage
- Secure information carefully

# The 11 architectural principles (II)

- Re-use before choosing a package; choose a package before building one yourself
- Do not alter a standard package
- Offer functionality in the form of services
- Use the Canonical Data Model
- Each piece of data has a single official supplier

# Still lots of “evangelical” work

## Questions

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