

# Leverage the Use of Geospatial Information in Collaboration in C2 processes

Marc Kleemann

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UNITED NATIONS  
Office for Outer Space Affairs

logica  
be brilliant together

# Together we create solutions: A result of real teamwork

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Clients

Employees

Partners

# Some of our clients



# Our employees are where you are...

## Logica Germany



... in a city near you

Employees: **2,061**  
Presence: **12** cities

## Logica Europe



... strongly rooted in  
Europe

Employees: **32,500**  
Presence: **23** countries

## Logica Worldwide



... doing business  
globally

Employees: **41,000**  
Presence: **40** countries  
Revenue (€): **4,325** million

# Our partners: not all good ideas have to necessarily come from us

## Strategic partners



## Partners

### A

Ab initio  
Adobe  
AFI  
Akamai  
alfabet  
AuthentiDate  
Autonomy

### B

BMC Software  
Borland  
bpd  
Business Objects

### C

CA  
Cisco  
Cognos  
Combionic  
Compuware  
CoreMedia  
Cursor

### D

Day

### E

EMC  
E-spirit  
ESRI  
Exasol

### F

Fernbach  
FileNet  
Foxray  
Froglogic

### G

GEOCOM  
Informatik

### H

Healy Hudson  
HP  
hybris  
Hyland

### I

iBanx  
IBM  
imbus  
Informatica  
Intel  
Intershop  
Interwise

### J

Jaspersoft  
JouleX

### K

Kofax

### M

Magnolia

### N

Novell

### O

OB10  
Omada  
Omikron  
Open Text

### Q

QlikTech  
Quest

### R

Red Hat

### S

SAPERION  
SAS  
SKS  
Software AG  
SpringSource  
Sybase

### T

Talend  
Teradata  
TIBCO

### U

UC4 Software

### V

Viprocom  
Vmware  
VÖB Service

### W

Webfair

### X

xft

# We speak your language



Energy & Utilities



Transport,  
Travel & Logistics



Financial Services



Manufacturing



Public Sector



Telecoms & Media



Pharmaceuticals  
& Chemicals



Consumer  
Packaged Goods

Large transport company: delivery process efficiency improved by more than 60 percent, lowering yearly costs by about 10 percent

A leading German energy provider: billing processing speed increased by 30 percent

# What we do for our clients

In Defence and GIS



# What our clients are telling us ...

I need to deliver **economies and efficiencies**, without affecting our ability to deliver operations.

I must be able to **interoperate** with other nations systems to support **multinational operations**.

I need to **maximise** the utility I obtain from my investment in CIS.

I need **secure and assured information** in my complex environment.

Military equipment is complex, takes a long time to procure. I need **improved processes** and use common **industry standards** to maximise the utility of the IT I buy.



# What we do for our defence clients



## Defence Capability

### Preparing for Operations

- Training systems
- Personnel systems

- Medical records management
- Information management services
- Electronic records management
- Satellite communication services
- Cyber systems



### Executing Operations

- Information Systems
- C41STAR

- Command and Control
- Fire control systems
- Operational planning
- Spectrum management
- Electronic warfare
- Secure communication services



### Managing Defence

- Business systems
- Outsourced services
- Shared services
- Cyber services

- Personnel vetting services
- Secure managed services
- Application hosting
- Business consulting
- HR IT services
- Finance and Payroll services
- Logistic management
- Environmental management services



# What we do for our defence clients using GIS



## Defence GIS Capabilities

### NATO

- **Core GIS:** Geo Data Infrastructure (consultancy - Bid Support, Independent Validation&Verification)
- **DHS/AMN Portal:** (System Delivery)
- Data Migration (consultancy)



### MoD DE

- **FüInfoSys SK:** Command and Control (System Delivery)
- **VERIS:** Disarmament Planning & Reporting (System Delivery)
- **JASMIN:** (delivery in progress)



### MoD UK

- **Pulling through Logica capability:** Utilities, transport, telecoms and public sector for defence benefit
- **Multiple classified projects** that exploit Logica's GIS and Space capabilities

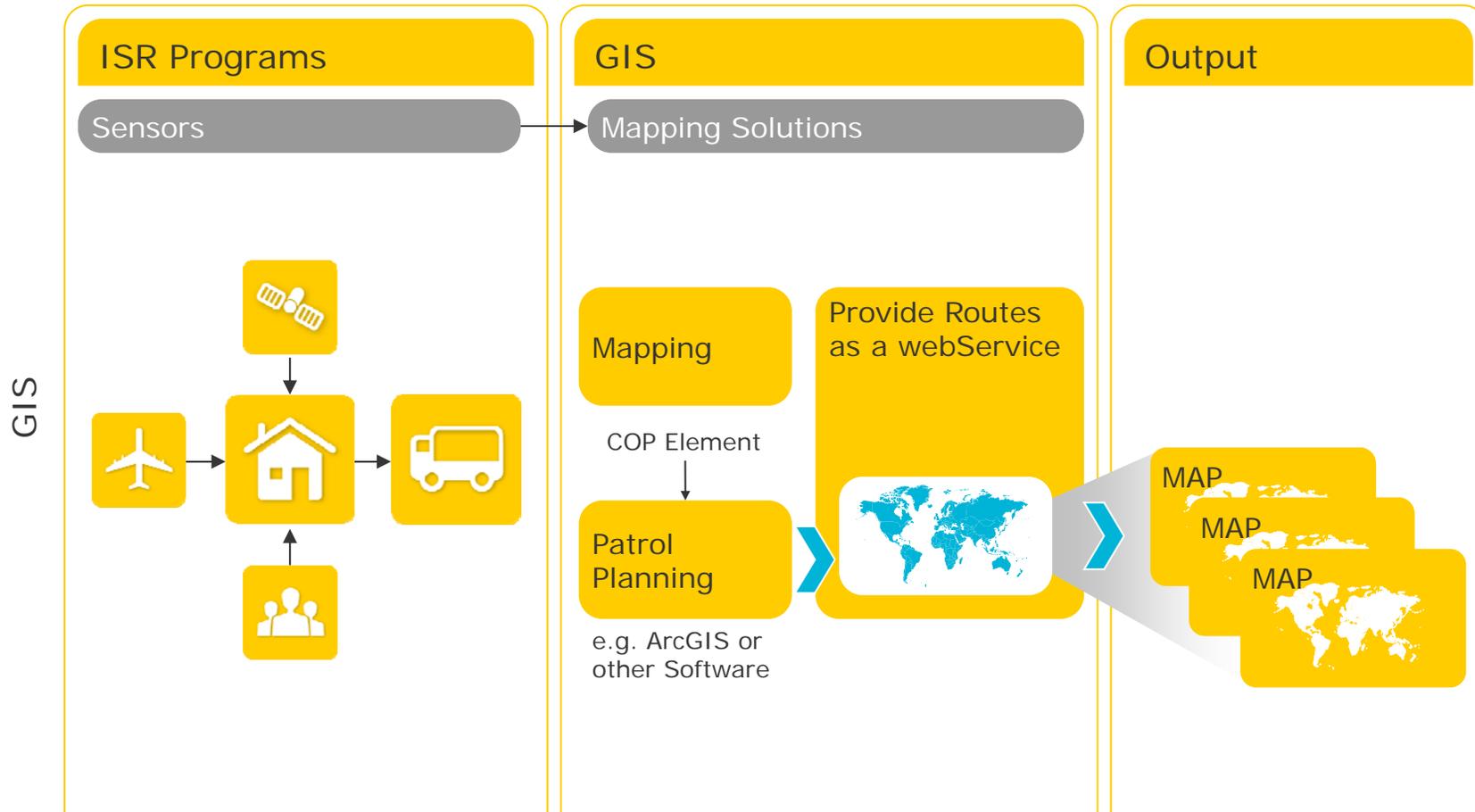


# How to benefit from GIS+DHS

Combine structured and unstructured data  
using geospatial information



# GIS today



# NATO Document Handling System

DHS shall **support via web browser**

- Individual user
- Workgroups and commands
- NATO as an Organisation

And the **entire electronic life cycle** of Documents

- Create (incl. approval)
- Publishing
- Storage
- Indexing
- Search/find
- MS Office integration
- Archiving





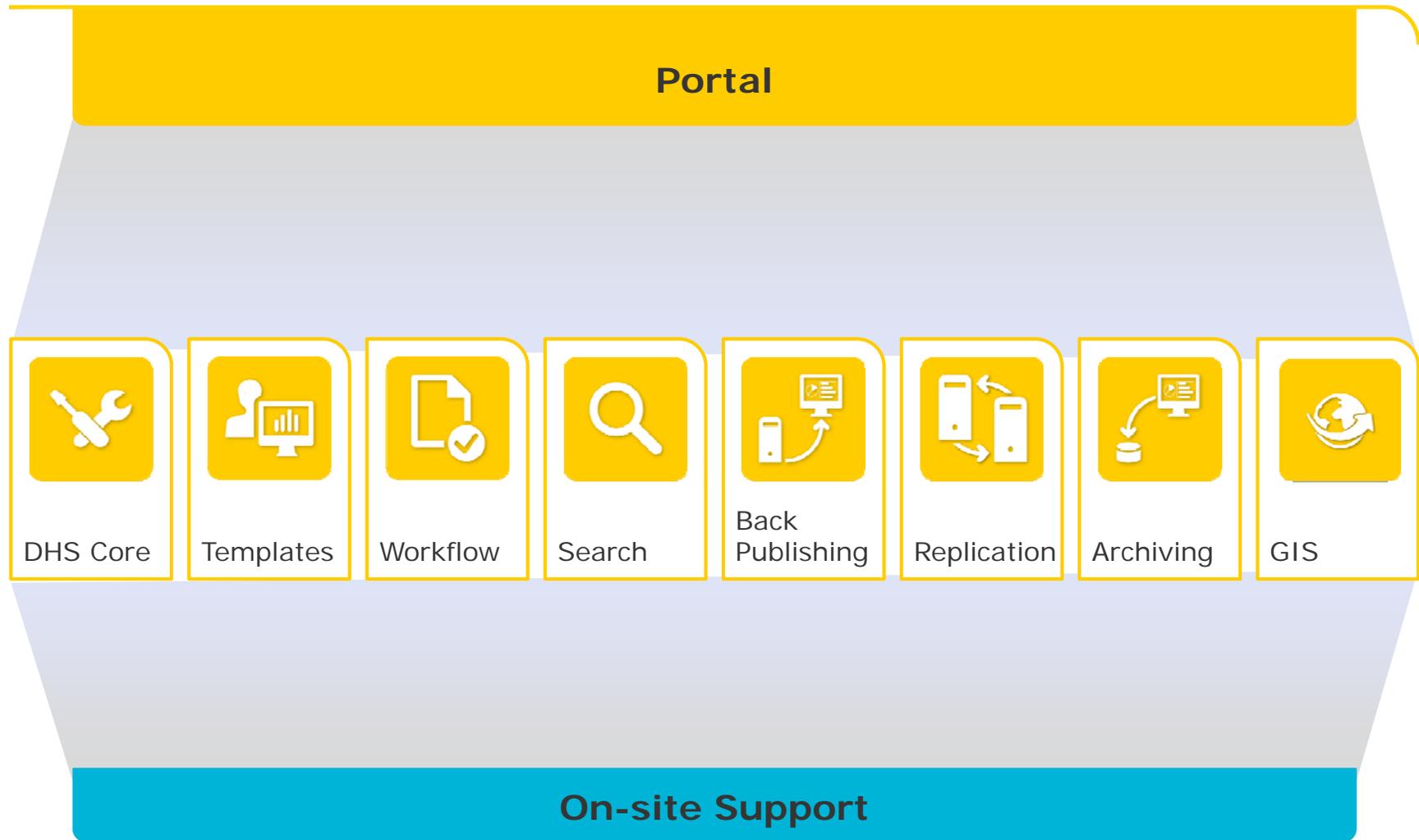
# NATO DHS & AMN Portal

- NATO DHS as Core Service for
  - 23 NATO Commands
  - Crisis Operational:
    - 2 HQs + 8 Regional Commands
      - DHS ISAF
      - AMN Enterprise Portal
      - NATO Special Forces Headquarters (NSHQ)
- NATO DHS and AMN portal as "central work environment"

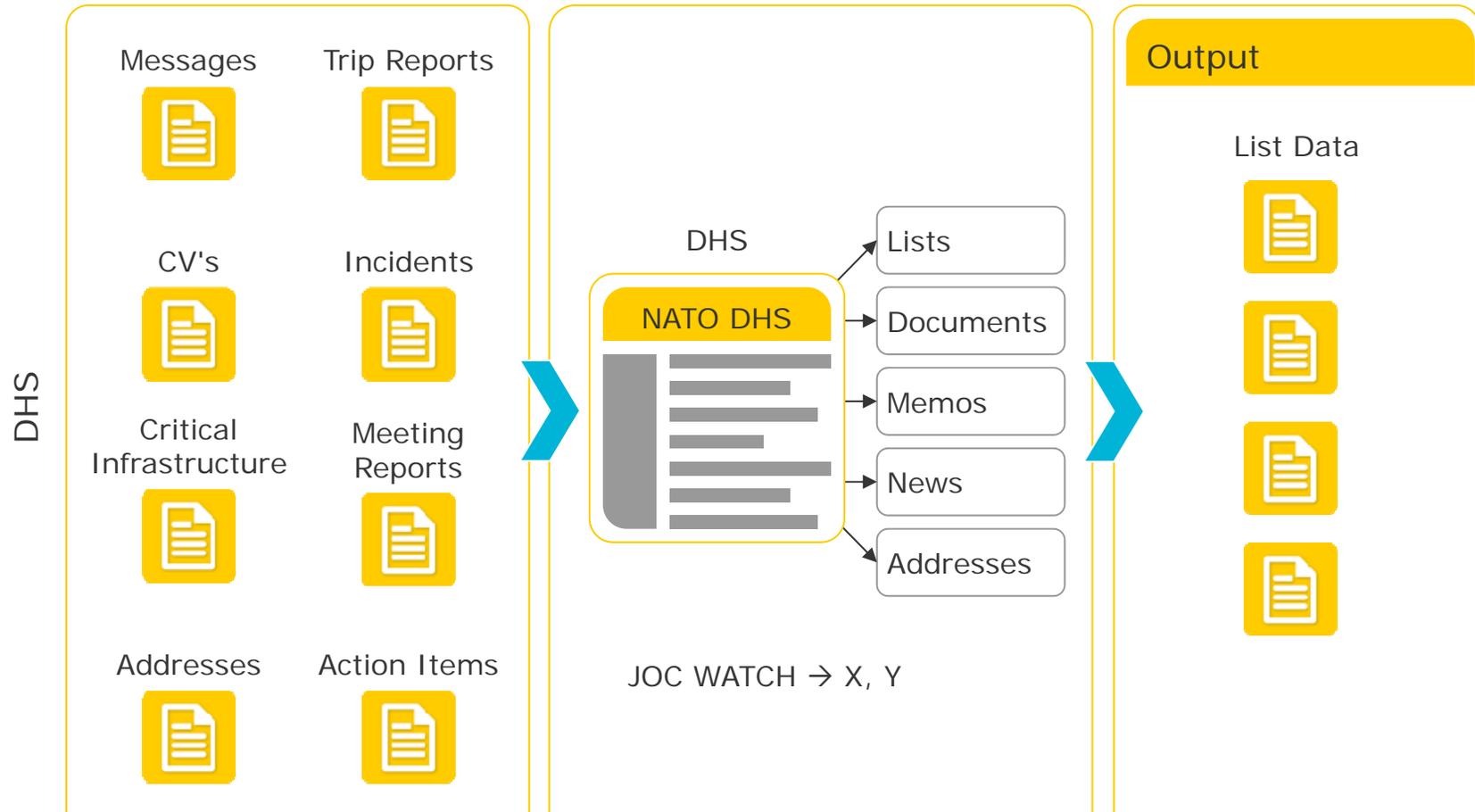
➤ NATO DHS & AMN EP provide  
"need to share" and "share to win" approach



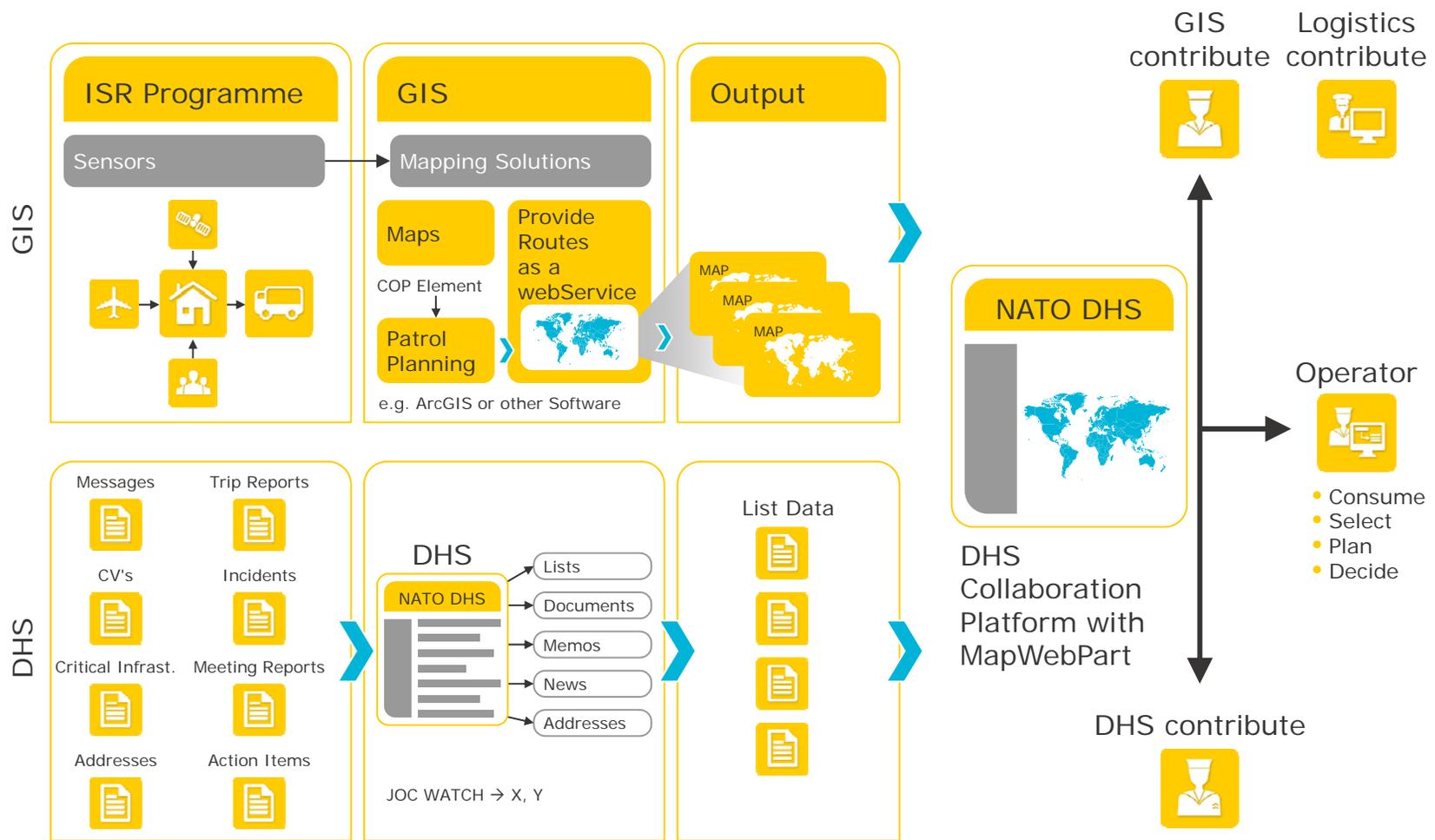
# DHS & Portal Components



# DHS today



# DHS & GIS Integration



# Smart up your daily business

using integrated GIS and DHS

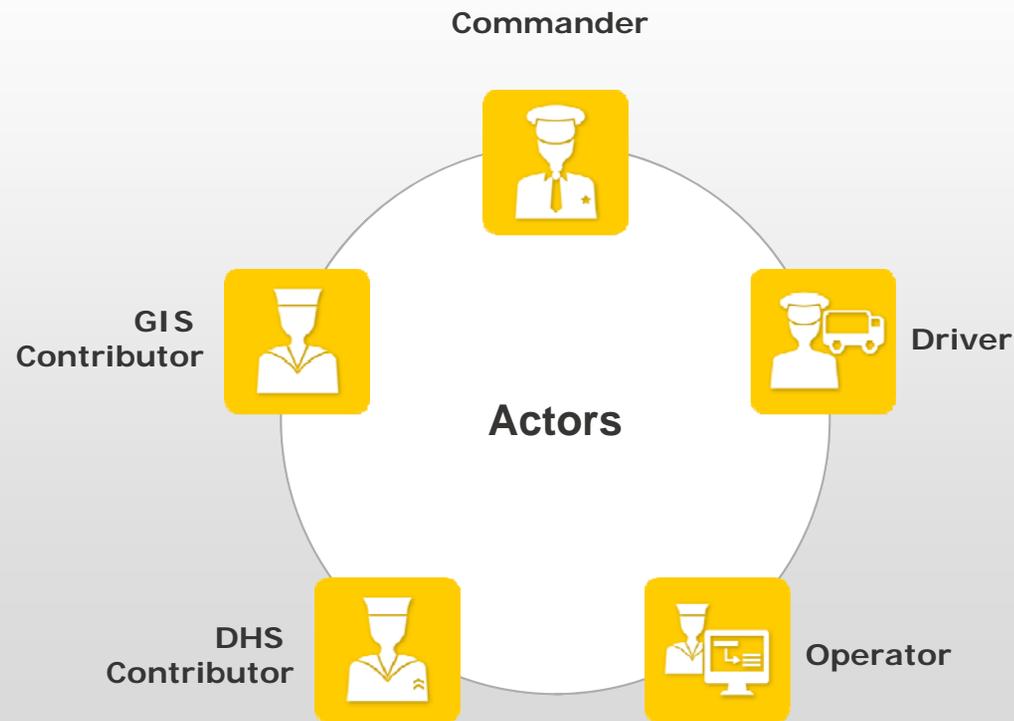


# ... a day in the Information Dissemination Centre



## Task

Plan a trip for the Commander to meet with local representatives



# ... a day in the Information Dissemination Centre

The GIS Contributor is providing georeferenced data like ...



# ... a day in the Information Dissemination Centre

The Trip Planner (Operator) is ...

## Consuming & Analysing

- Routes/Maps prepared
- Past and future events
- Risks associated
- Need for customisation
- All information relevant to Commander
  - Reports of last visits
  - Agreements and concessions made
  - CV's of the meeting participants
  - etc.



**Planning Alternatives  
& Taking Decisions**

## Selecting

- Search for relevant documents and infos with keywords and geospatial criteria



# ... a day in the Information Dissemination Centre

The screenshot displays an ArcGIS Map Web Part interface. The top navigation bar includes 'Home - Map2', 'ArcGIS Map Web Part', and tabs for 'Application', 'Layer', and 'Symbols'. A toolbar contains various icons for map interaction, such as 'Transparency', 'Pop-Ups', 'Table', 'Filter', 'Open item on click', 'Refresh', 'Table', 'Go To', 'Select All', 'Clear', 'Select', 'Zoom To', 'Export', and 'Find Nearby'. On the left, a sidebar lists site content categories like 'Pictures', 'Libraries', 'Lists', and 'Discussions'. The main map area shows a satellite view of a region in Pakistan, with a yellow line indicating a route. A pop-up window titled 'Police Station Peshawar' is open, displaying the station's title, contact information, and a photograph. Below the map, a data table lists several police stations with their coordinates and map locations.

| Attachments | Title   | ShapeX           | ShapeY           | Map_Location |
|-------------|---|------------------|------------------|--------------|
|             | Police Station Jalabad                            | 70.4473108701216 | 34.4140170973801 |              |
|             | Police Station Kohat                              | 71.433397515765  | 33.5763926839319 |              |
|             | Police Station Charikar                           | 69.1661208373399 | 35.0057359160149 |              |
|             | Police Station Towr Kham (Afghan-Pakistan Border) | 71.0892227529751 | 34.1144419240223 |              |
|             | Police Station Asadabad                           | 71.1637413438173 | 34.8597004780965 |              |
|             | Police Station Peshawar                           | 71.4772922382322 | 33.9819398020865 |              |



# ... a day in the Information Dissemination Centre

The screenshot displays the ArcGIS Map Web Part interface. The top navigation bar includes 'Site Actions', 'Browse', 'Page', 'Application', 'Layer', and 'Symbols'. The main toolbar contains icons for 'Transparency', 'Pop-Ups', 'Table', 'Filter', 'Open item on click', 'Refresh', 'Table', 'Go To', 'Select All', 'Clear', 'Select', 'Zoom To', 'Export', and 'Find Nearby'. The 'Map Contents' panel on the left shows a list of layers: Cities, CV's, Incidents, Police Stations (selected), Routes, Political, and World Imagery. The map shows a yellow route connecting several locations in Afghanistan, including Kabul, Mehtar Lam, and Jalabad. A 'Find Nearby' dialog box is open, showing 'Layer: Incidents' and 'Distance: 20 Miles'. Below the map is a table with the following data:

| Attachments | Title   | ShapeX           | ShapeY           | Map_Location |
|-------------|---|------------------|------------------|--------------|
|             | Police Station Kabul                              | 69.1897099032481 | 34.5648704803513 |              |
|             | Police Station Kabul South                        | 69.145317690465  | 34.4889559196357 |              |
|             | Police Station Jalabad                            | 70.4473108701216 | 34.4140170973801 |              |
|             | Police Station Kohat                              | 71.433397515765  | 33.5763926839319 |              |
|             | Police Station Charikar                           | 69.1661208373399 | 35.0057359160149 |              |
|             | Police Station Towr Kham (Afghan-Pakistan Border) | 71.0892227529751 | 34.1144419240223 |              |

Record: 3 Records (1 out of 8 Selected)

Operator

# ... a day in the Information Dissemination Centre

The screenshot displays the ArcGIS Map Web Part interface. The main map area shows a satellite view of a region in Afghanistan, with a red circular buffer centered on Jalabad. A yellow line represents a route connecting Kabul, Mehtar Lam, and Jalabad. A scale bar indicates 45km and 25mi. The interface includes a toolbar with tools like Transparency, Pop-Ups, Table, Filter, Open item on click, Refresh, Table, Go To, Select All, Clear, Select, Zoom To, Export, and Find Nearby. A left sidebar contains site navigation options like Pictures, Libraries, Lists, and Discussions. A data table at the bottom lists incident data.

| Attachments | Title     | Incident | LOC_X            | LOC_Y            | Location |
|-------------|-----------|----------|------------------|------------------|----------|
|             | Incident2 |          | 70.1610394135475 | 34.5266490451649 |          |
|             | Incident3 |          | 70.1721923704985 | 34.5128178722956 |          |



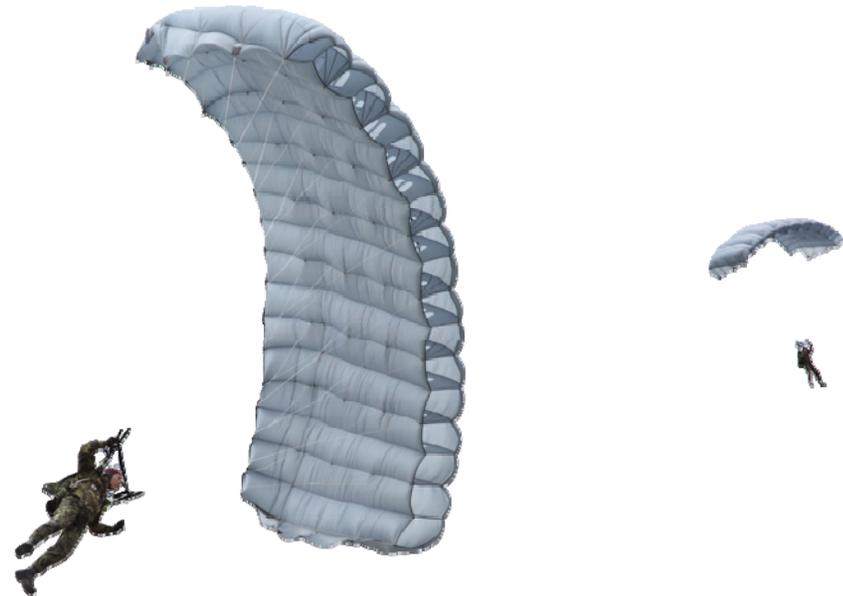
# Summary

## Successful Operations

enabling people to make efficient use of geospatial content and combine with structured data

## Efficient Daily Business

Using SharePoint platform to bring easy-to-use GIS viewer capability to wide range of users



Knowledge is the  
Best Defence.

# Contact

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**Jens Elstermeier**

NATO & International Defence Account Manager

Jens.Elstermeier@logica.com



**Marc Kleemann**

Unit Manager/Head of GIS Competence Centre DE

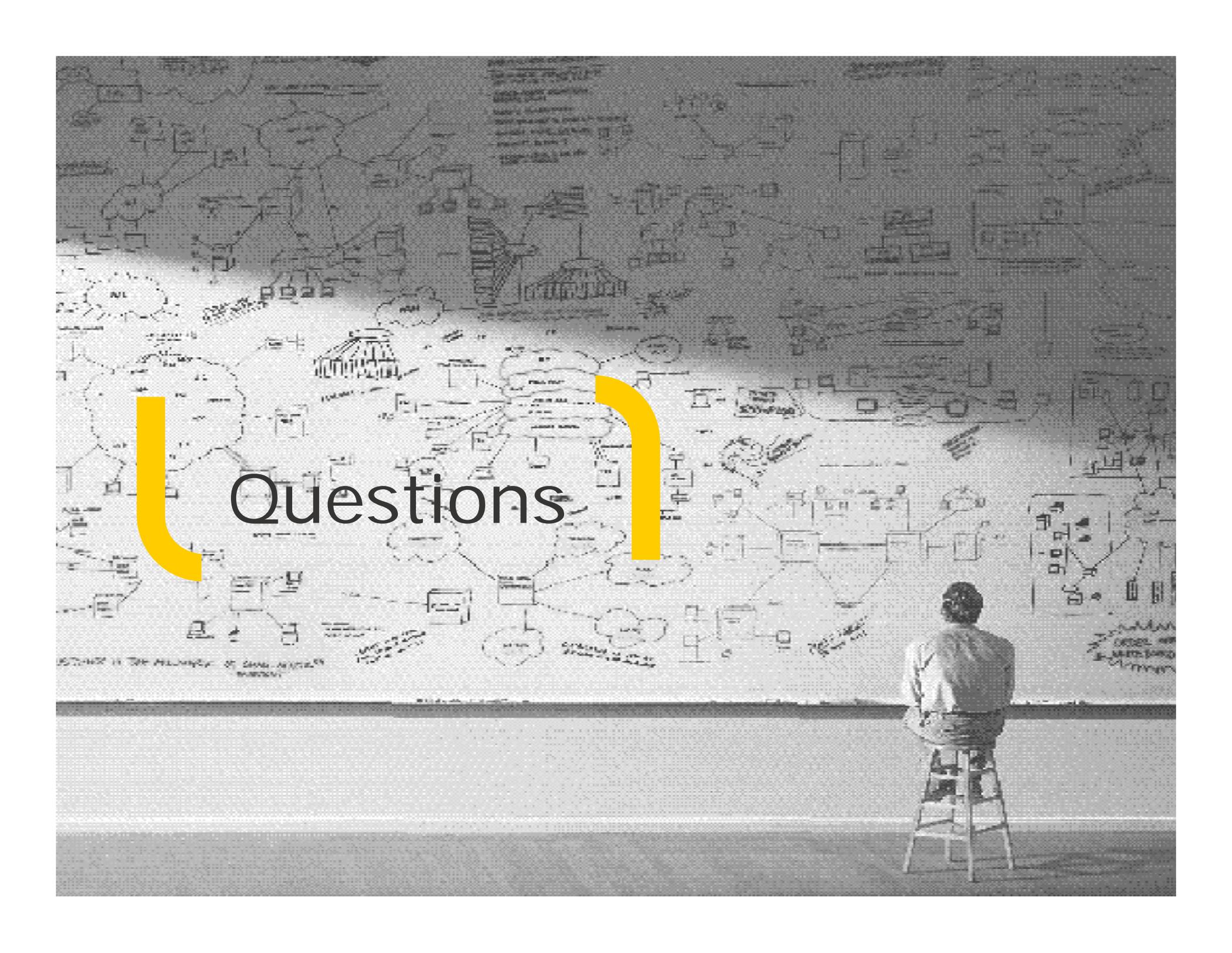
Marc.Kleemann@logica.com



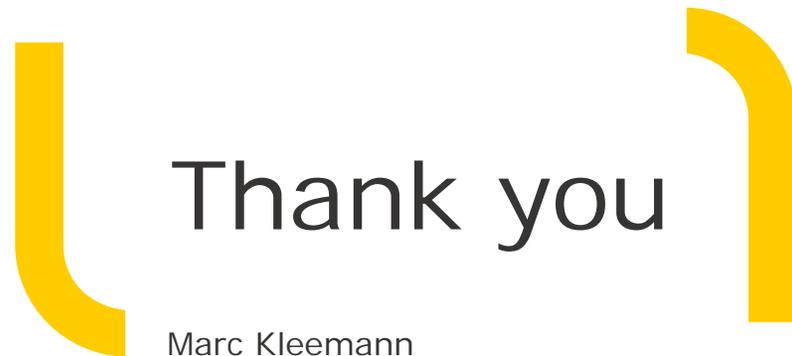
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A black and white photograph of a person sitting on a stool, viewed from behind, looking at a large wall covered in complex diagrams and sketches. The diagrams include flowcharts, organizational charts, and various interconnected nodes and lines. The person is wearing a light-colored jacket and dark pants. The wall is filled with these diagrams, some with handwritten text. A large yellow graphic element, resembling a stylized 'U' or a bracket, is overlaid on the left side of the image, framing the word 'Questions'.

# Questions



Thank you

Marc Kleemann

Logica Deutschland GmbH & Co. KG Visitor address Humperdinckstr. 1 53773 Hennef Germany [www.logica.com](http://www.logica.com)  
T: +49 (0) 2242 9229-0 F: +49 (0) 2242 9229-220 E: [GeoIT.de@logica.com](mailto:GeoIT.de@logica.com)

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