Digitalization (E-Government)

GGSC – German Group for Services & Consultancy
Frankfurt/Germany

Hussain Suliman (Chairman & CEO)
Prof. Dr.-Eng. Hans Georg Reinke Senior Consultant & CEO (Team-Leader – „Reconstruction of Sudan after war")
Cem Güler (CIO – Chief Information Officer)

GGSC GERMAN GROUP FOR SERVICES & CONSULTANCY

The Group

- Founded 30 years ago and has grown from a small local set up to an international firm

- Operating in African, Arabian, Asian & European Markets

- Head Office in Frankfurt Germany

- Offices: Dubai/UAE, Khartoum/Sudan, İzmir/Turkey, Doha/Qatar, Sierra Leone and Chennai/India

- Joint Ventures:
  - German HealthCare: Medical IT & Technology
  - medasol Germany: Bio Medical & Hospital Operation Management
  - getucon Germany: Technology Consultancy

- Thanks its end-to-end work approach and world-wide partnership ecosystem, GGSC completed diverse projects in different industries

Mr. Suliman
(Chairman & CEO)

Prof. Reinke
(Senior Consultant & CEO / Team-Leader – „Reconstruction of Sudan after war)

Cem Güler
(CIO)

Prof. Reinke
(Senior Consultant & CEO / Team-Leader – „Reconstruction of Sudan after war)

Dr. Gebreil Ibrahim
(Minister of Sudan)

Mr. Suliman
(Chairman & CEO)

Cem Güler
(CIO)

Chairman Mr. Hussain Suliman

- Mr. Hussain Suliman is Chairman of the German Group for Services and Consulting "GGSC" and has 35 years of international business experience and strong relationships in a different field and sector with manufacturing companies and corporations as well as government institutions, chamber of commerce – Frankfurt/Germany (IHK) and decision makers worldwide.

- **GGSC G**erman **G**roup for **S**ervices & **C**onsultancy is a Group comprises several limited companies. It is registered in Frankfurt/M, Germany under the German Law.

GGSC, GICT, AEM (Dubai), GGSC Competence (India), GGSC WSI International (Sudan), German Qatari Group (Qatar), getucon (Turkey) the Group has grown substantially from a small set up to international companies during thirty five (35) years old.

Mr. Suliman – Headquarter in Germany Frankfurt

Prof. Dr. Hans Georg Reinke

- **Senior Consultant & CEO – Team-Leader**

- **Prof. of Structural Engineering Frankfurt University of Applied Sciences**

- **Partner of More than 35 years of professional Werner Sobek Engineering Frankfurt**

- **International expercience in Engineering**

Prof. Hans Reinke

Curriculum Vitae

1952	Born in Frankfurt/Germany
1972 – 1977	Civil engineering studies at the University of Karlsruhe/Germany and University of Stuttgart/Germany
1977 – 1979	Employee in the engineering office BGS, Frankfurt/Germany
1979 – 1984	post-graduate fellow of Prof. Dr.-Ing. Jörg Schlaich at the Institute for Concrete Construction of the University of Stuttgart/Germany
1984 – 1990	Senior Engineer in the office of Harries & Kinkel, Neu-Isenburg/Germany
1986	PhD in civil engineering at the University of Stuttgart/Germany
1991 – 2001	Partner in the office of Hock & Reinke, Haibach/Germany
since 1991	Professor at Frankfurt University of Applied Sciences, Frankfurt/Germany
1993 - 2022	Proof engineer for structures and materials
1996 - 2022	Proof engineer of the national railway authority
since 2001	Senior Consultant & CEO
since 2005	Shareholder GGSC WSI International & Team Leader Sudan: Infrastructure Projects in Khatoum State (21 Intersections)
since 2023	Team-Leader – „Reconstruction of Sudan after war"

Cem Güler

- **Chief Information Officer (CIO)**

- **15 years of experience in Technology Consultancy**

- **Extensive experience as Team-Leader in Project Management**

- **International experience in Requirements Engineering & Delivery Management**

Cem Güler – Chief Information Officer (CIO)

Profile	
Activity	CIO / Senior Consultant for Datacenter Solutions
Range of applications	Project management, business analyst, product owner, scrum master, business process analysis, modeling and reeingering, requirements analysis, robotic process automation (RPA), innovation management, EU tenders, IT outsourcing, sourcing strategy, tenders, contract negotiation, transition, transformation, cloud, IT Infrastructure, AWS, Presentation and communication, Strategic planning, Business development, Design Thinking

Brief portrait
Extensive experience as a project manager, requirements engineer and delivery manager in classic and agile Datacenter, Digitalization and Data Archiving projects, cloud, IT & Telecommunication

Knowledge	
Industry knowledge	- Ministries - Banks - Chemistrie - Logistics and forwarding - Aiports - E-Commerce - Education - IT & Telecommunication
Technical knowledge	Cloud, AWS, Azure, firewall, IT security, UCC, VoIP, WAN, VLAN, MPLS, DWDM, dark fiber, data center management, backup & disaster recovery
SAP	certified in SAP ERP TERP1 integrated business processes
SAP development	Certified in SAP Development "SAP Fundamentals, ABAP, Web DynPro"

Profile of GGSC

- General Consultant for Ministries (PR - Contacts with German Goverment, European Autorities, Chamber of Commerce – „IHK", Banks & Development Institition) and Joint Venture and sole agent for European, Asian and USA Companies.

- General Contractor & Turnkey Projects (Infrastructure, Healthcare, Mining, Oil & Gas, Agriculture, Education, IT, Vocational Training, Digitalization, Datacenter)

- All kinds of Machineries & Equipments

- Digitalization (E-Government)

- Datacenter

- IT-Infrastructure

- Fiber & Network Solutions

- IT-Network Security

- Telecommunication

- Hardware

- Software & Licences

- Project Enginieering (Outsourcing)

Profile of GGSC

- Infrastructure: Road, Bridges & Highrise Bulidings
- Health: Hospitals
- Education
- Information Technology: Digitalization & E-Goverment, Datacenter & Telecommunications
- Energy & Renewable Energy
- Mining
- Agriculture
- Livestock
- Oil & Gas
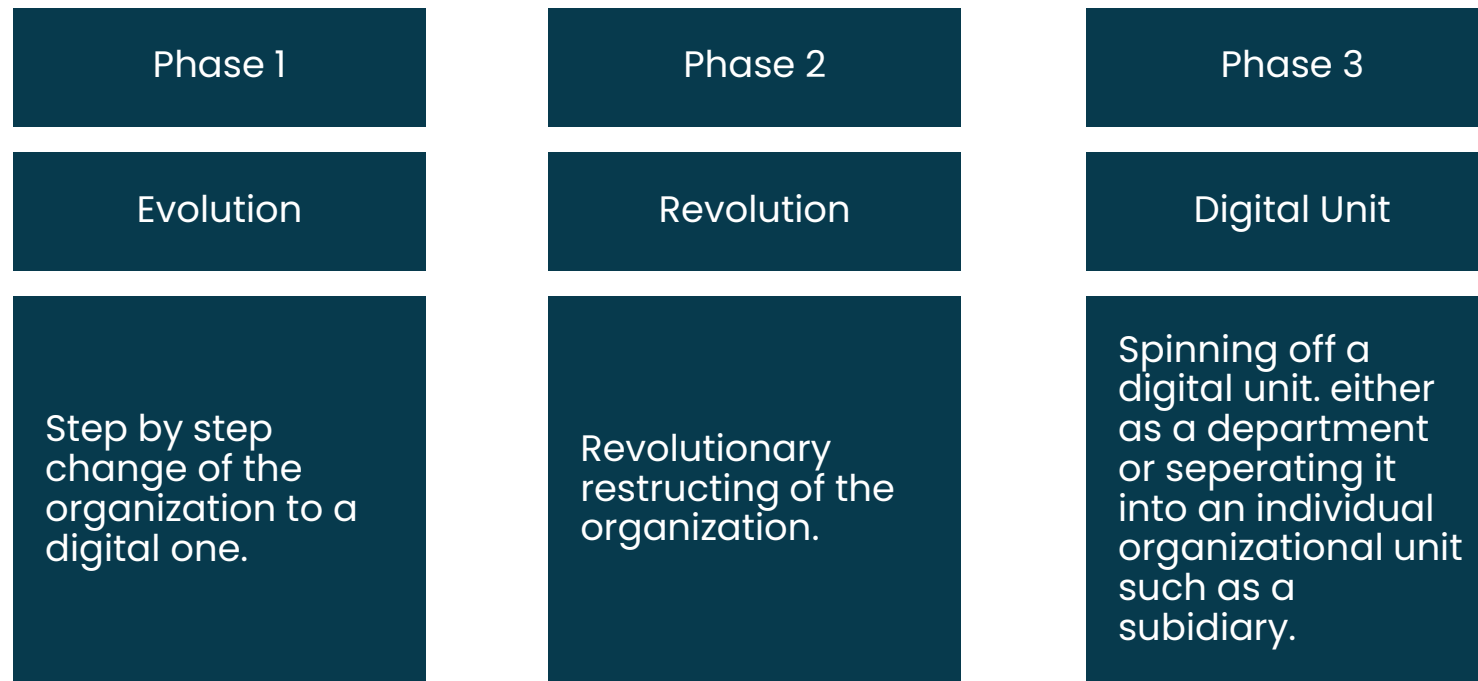- Banking Systeme & Training
- Finance

Digitalization
E-Government

GGSC
GERMAN GROUP
FOR SERVICES &
CONSULTANCY

German Group for Services & Consultancy

What We Do
Building Digital Organizations
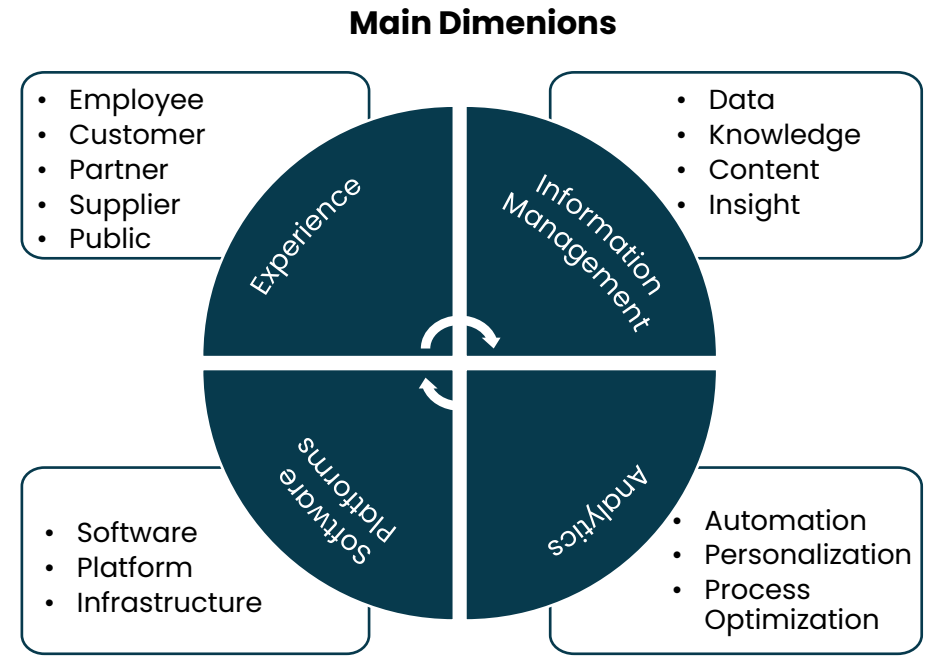
Digital Transformation

Digital transformation drives change in three areas: customer (citizen) experience, operational processes and business models. The process of digital transformation requires coordination across the entire organization, and involves business culture changes.

Phase 1	Phase 2	Phase 3
Evolution	Revolution	Digital Unit
Step by step change of the organization to a digital one.	Revolutionary restructing of the organization.	Spinning off a digital unit. either as a department or seperating it into an individual organizational unit such as a subidiary.

What We Do
Digitization Key Elements

1 The starting point for digitalization is the development of a digital strategy.

2 Transformation of the core business and the development of new digital business segments.

3 Digitalization drivers are often the IT departments, but specialist departments and management must also support the digital strategy as well as

Main Dimenions

- Employee
- Customer
- Partner
- Supplier
- Public

- Data
- Knowledge
- Content
- Insight

- Software
- Platform
- Infrastructure

- Automation
- Personalization
- Process Optimization

Experience

Information Management

Software Platforms

Analytics

Advantages of Digitalization (E-Government)

Digitization provides number of benefit offered all stakeholder of any type of organizations

Management
- Fast reaction for operative and strategic handlings
- Competitiv edge

Enterprise
- High performance
- High quality of software, long term
- Flexibility, Scalability, automation

IT
- Scalable infrastructure
- Shorter release cycles
- Less effort for development

Sales
- Automated sales support
- Partner Portal
- Simpler on boarding

Finance
- Reduced investment costs
- Lower personal costs
- Efficient use of resources

HR
- Target candidate marketing
- Talent Tracebility
- CRM with all data

Marketing
- Personalized adress
- Better targeting
- Shorter time-to-market
- Analysis of results

Citizens
- Faster support times
- Improved support quality
- Central customer data
- Knowledge managemnet

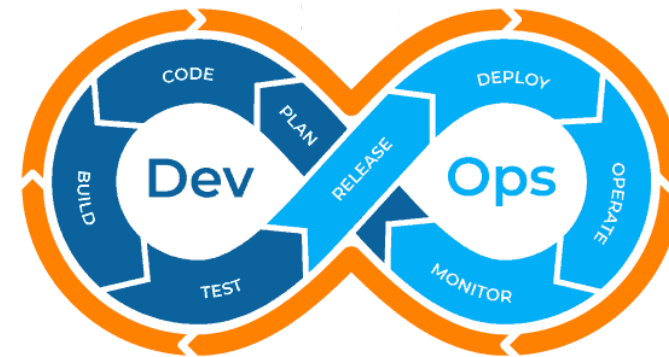# Digitization Methodologies
Team Structure & Methodologies

Agile team structure together with contionous development-deployment is norm for digital organizations

Delivery Structure
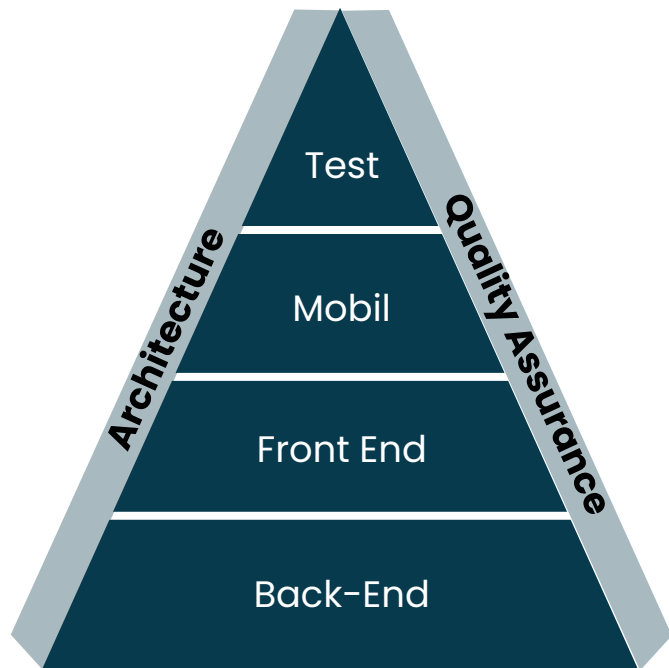
Delivery Methodologies

An agile approach to delivery
- People: teammates, customers, and interactions between these people – instead of processes and tools
- Immediacy: Working software – instead of comprehensive documentation
- Flexibility: Responding to, and even embracing, change – instead of following a predetermined plan

Digitalization (E-Government)
Smart Government

The process of digital innovation using open data is embedded deeply across the entire government, with buy in and leadership from the top tier of policymakers. The innovation process is predictable and repeatable, even in the face of disruptions or sudden events that require rapid responses

	eGovernment	Open Government	Data-Centric Government	Fully Transformed Government	Smart Government
Drivers	Compliance, efficiency	Transparency and openness	Citizen value	Insight-driven transformation	Self-defining
Service model	Reactive	Intermediated	Proactive	Embedded	Predictive
Digital System	IT-centric	Citizen-centric	Data-centric	Thing-Centric	Ecosystem centric
Ecosystem and users	Governmentcentric	Service cocreation	Aware	Engaged	Evolving
Technology focus	Service Oriented Architecture	API enabled architecture	Open any data	Things as data	Intelligence
Leadership	Technology	Data	Business	Information	Innovation
Key metrics	% Services online	Number of open datasets	Number of data-driven services	% of new and retired services	Number of new delivery models

University of Zurich **UZH**

- **GGSC**/**Diamond SA (Switzerland)**

- **Diamond** did all the Installations of the high-performance, reliable fiber optic components in **UZH**.

- **Mrs. Andrea Sigel – Team Leader of GGSC/Diamond**

GGSC/Diamond in UZH Datacenter with Team Leader Mrs. Andrea Sigel

References / Projects
Datacenter of University of Zurich (UZH)

GGSC Partner Diamond in UZH Datacenter

GGSC Partner Diamond in UZH Datacenter

University of Zurich UZH

DIAMOND the fiber meeting

GGSC Partner Diamond in UZH Datacenter

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GGSC Partner Diamond in UZH Datacenter

University of Zurich UZH

DIAMOND
the fiber meeting

GGSC Partner Diamond in UZH Datacenter

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Partner
Mühlbauer (Roding/Germany)

- **Mühlbauer** - Comprehensive Solutions for Industrie and Governments (E-Government)

- Compared to traditional counter-based services, E-Government solutions represent a very efficient alternative.

- Flexibly customizable E-Government solution based on web services, which can also be used to upgrade existing enrollment systems or E-Government solutions.

Mühlbauer Headquarter Roding/Germany

Mühlbauer
High Tech International

KEY REFERENCES

PEOPLE'S DEMOCRATIC REPUBLIC OF ALGERIA
National ID Card, Driver's License & Vehicle Registration

REPUBLIC OF ANGOLA
Civil Registry

COMMONWEALTH OF AUSTRALIA
ePassport Personalization

BOSNIA & HERZEGOVINA
Driver's License, National ID Card & ePassport

REPUBLIC OF CHAD
National ID Card, Residence Card & ePassport

REPUBLIC OF THE CONGO
National ID Card, ePassport & Tax ID Card

REPUBLIC OF EL SALVADOR
National ID Card

REPUBLIC OF FIJI
ePassport

GEORGIA
National ID Card & eGate

REPUBLIC OF GHANA
Enrollment & ePassport Personalization

GIBRALTAR
National ID Card & Driver's License

REPUBLIC OF GUATEMALA
National ID Card

REPUBLIC OF INDONESIA
National ID Card

REPUBLIC OF IRAQ
Driver's License & Vehicle Registration

ITALIAN REPUBLIC
Driver's License

STATE OF KUWAIT
ePassport Personalization

REPUBLIC OF MOLDOVA
eGate

MONTENEGRO
National eID Card, ePassport, Driver's License, Multi-Purpose cards

REPUBLIC OF MOZAMBIQUE
National ID Card & ePassport

SULTANATE OF OMAN
eGate

REPUBLIC OF SERBIA
eGate

REPUBLIC OF SOUTH AFRICA
Enrollment for Driver's License

REPUBLIC OF SOUTH SUDAN
National ID Card, ePassport & Vehicle Registration

SWISS CONFEDERATION
Military ID Card

REPUBLIC OF UGANDA
National ID Card – NSIS

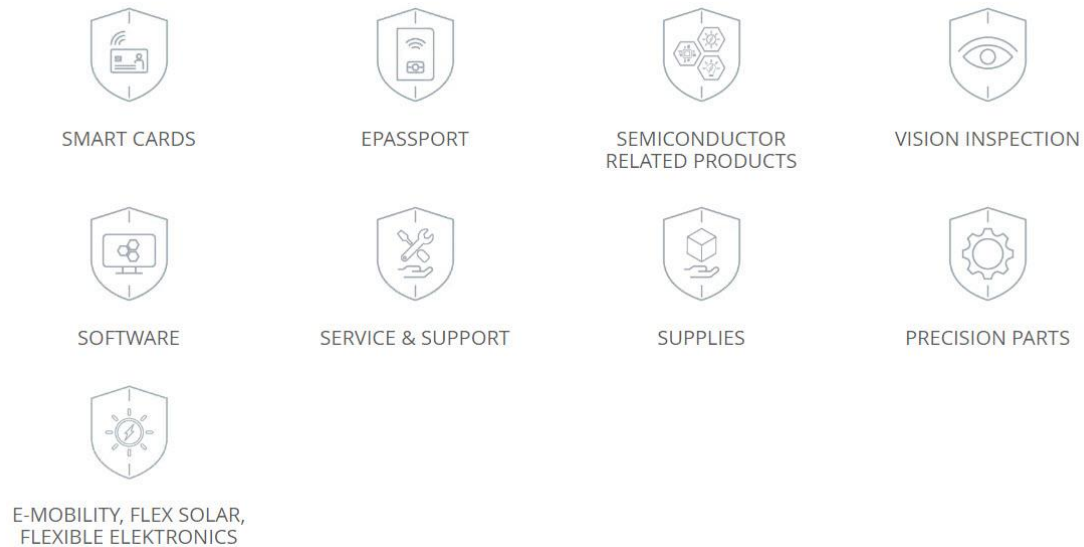GGSC Team & Mülhbauer Sales Manager

GGSC Team & Mülhbauer Sales Manager

GGSC Team & Mülhbauer Technical Manager

Partner
Mühlbauer (Roding/Germany)

SMART CARDS

EPASSPORT

SEMICONDUCTOR RELATED PRODUCTS

VISION INSPECTION

SOFTWARE

SERVICE & SUPPORT

SUPPLIES

PRECISION PARTS

E-MOBILITY, FLEX SOLAR, FLEXIBLE ELEKTRONICS

Mülhbauer Products

Mülhbauer Sales Team

Head Office

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IT-Lösungen für Industrie und Medizin

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