

# Technology Partner

Microsoft  
Partner

Gold Application Development  
Gold Data Analytics  
Gold DevOps  
Silver Cloud Platform



## eXperts for Microsoft



## Competencies

Data Analytics  
Application Development  
DevOps • Security  
Cloud

## BizzContact App

Business Contacts  
GDPR-compliant  
Corporate Backends



## Customers

Union Investment  
Lufthansa  
Commerzbank  
DekaBank  
KV Hessen  
Dachser  
Helaba / Helaba Invest  
Klüber (Freudenberg)  
Giesecke+Devrient  
DZ Bank  
Deutsche Bahn  
Jettainer (Lufthansa)  
GIZ

## Microsoft Platform – Cloud and On Premises

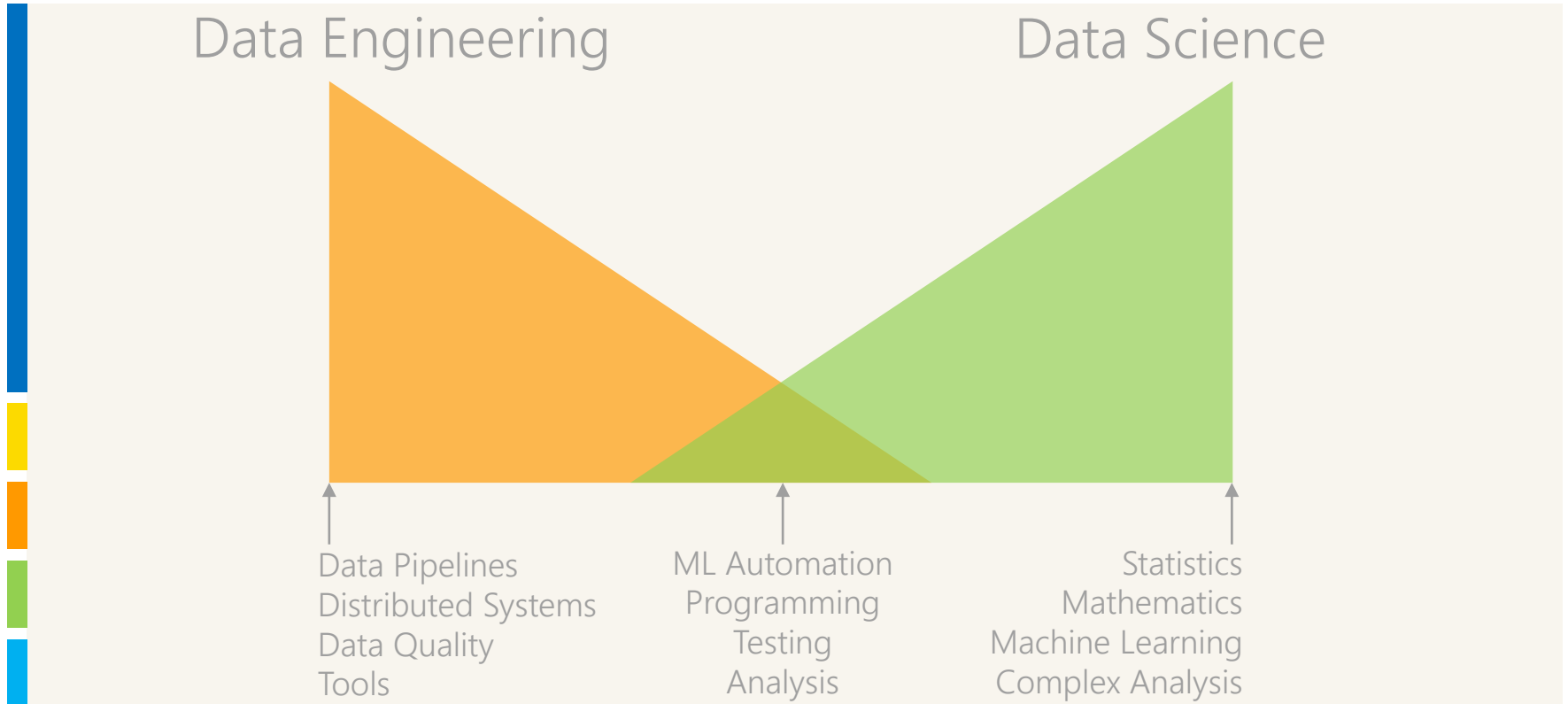
Microsoft 365, Dynamics 365, Azure DevOps  
Desktop, Web, Mobile (Xamarin)  
Azure Services, Power Platform



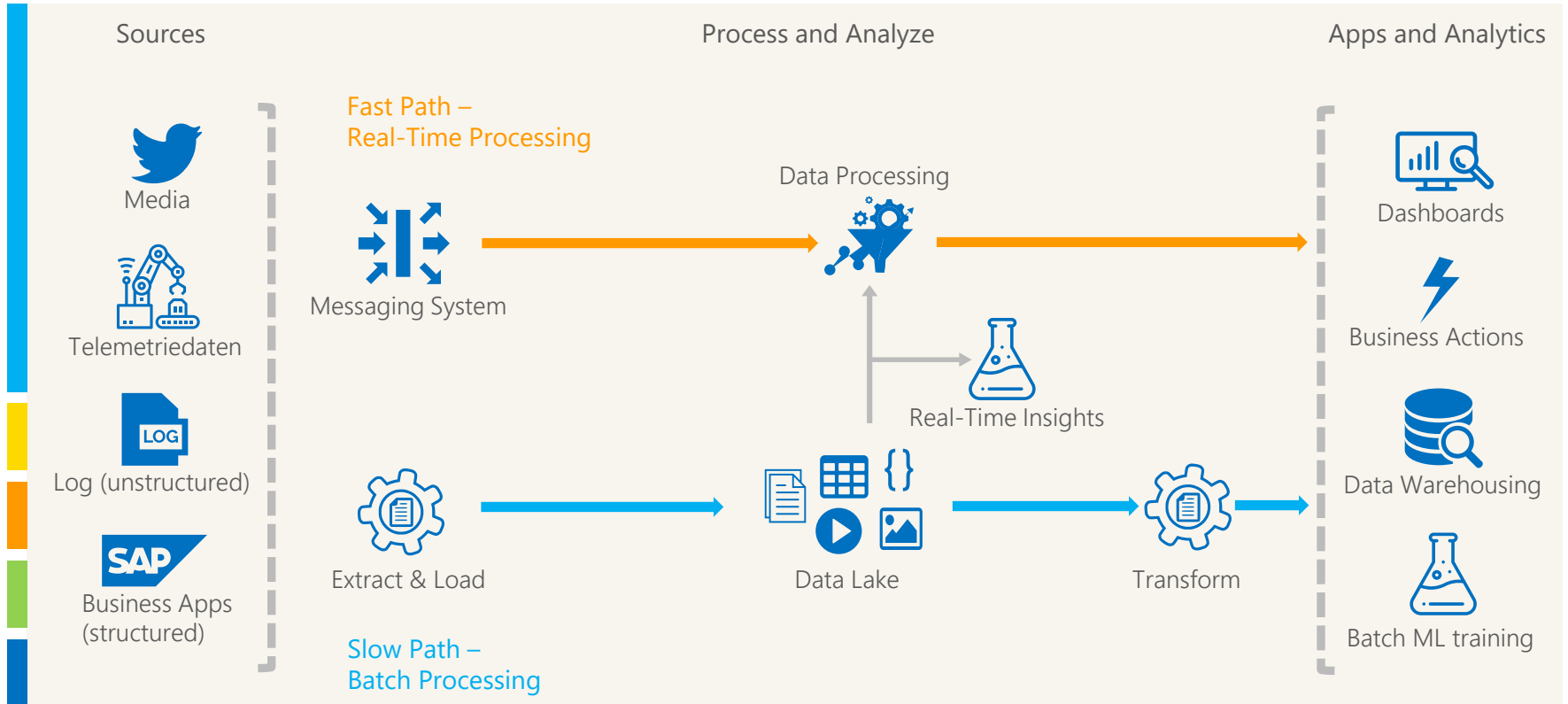
## Innovation Services

Modern X-Platform Apps  
Modern Web Apps  
Data Analytics/ML  
Microservices  
Digitalisation  
Agile with Scrum

# Data Analytics








# Data Analytics Reference Architecture






# Azure Data Analytics Services (Abstract)

## Sources

### Ingestion





-  IoT Hub
-  Event Hub
-  Data Factory
-  Databricks (Spark)
-  Kafka

### Clustering Orchestration







-  Databricks (Spark)
-  Data Factory
-  Oozie

## Process and Analyze











### Real-Time Processing

-  Stream Analytics
-  Databricks (Spark)
-  Spark
-  Apache Storm

### Batch Processing & Storage







-  Data Lake Storage
-  Spark
-  Cosmos DB
-  Delta Lake
-  Blob Storage
-  Hadoop
-  Databricks (Spark)
-  Data Lake Analytics

### Intelligence

-  Cognitive Services
-  ML Services
-  ML Studio (classic)
-  Databricks (Spark)
-  Spark
-  Tensorflow
-  scikit-learn
-  mlflow
-  XGBoost
-  Keras
-  PyTorch

## Apps and Analytics

### Usage

-  Power BI
-  Apps
-  Function
-  Synapse
-  Analysis
-  Tableau\*

\*commercial

# SDX Services

Innovation & Motivation



## Format

- Technical Council (2 h)
- Workshop (1-2 days)

## Target groups

- Decision Makers, Project Managers, Architects, Developers

Level: 100, 200, 300, 400

## Azure Innovation Services

- Clouderization of Web Solutions
- Data Analytics on Azure
- Predictive Analytics on Azure
- Innovative Business Apps with Xamarin.Forms
- Single Page Applications with Angular
- Microservices – Hosting on Azure
- Azure Functions Hands-On
- DevOps/DevSecOps on Azure
- Azure Kubernetes Service
- Security

## SDX Services



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## Data Analytics and Development Projects

- Technology and product selection
- Architecture and platform design
- Implementation and integration of DA solutions und Azure apps
- Azure cost optimization
- Automation (DevOps)

## Proof of Concepts, Projects, Staffing

- Analysis → Evaluation → Project → Product
- Additional funding where applicable

## Agile Methods

- Iterative implementation using agile methods (e.g. Scrum)
- Your benefit: iterative improvement and short time to market

Workshops,  
Briefings,  
Showcases

## Data Analytics on Azure

- Big Data • Machine Learning • Data Engineering
- Architecture • Hosted on Azure
- Demos (Selection)
  - Market Trend Analysis Using Twitter Data
  - Log Analytics / IoT
  - Scalable IoT Streaming
  - Gaining Insights with Machine Learning
- Motivational Workshop (1.5-2 h, free of charge, Level 100-200)
  - Target Groups: Decision Makers, Project Managers, Architects
- Technology Workshop (1-2 days, chargeable, Level 400)
  - Target Groups: „Techies“

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# Contact Information



**Werner Franz**

CEO

✉ [Werner.Franz@sdx-ag.de](mailto:Werner.Franz@sdx-ag.de)

☎ +49 (160) 8287 889

🌐 LinkedIn Contact



**Simone Franz**

Management

✉ [Simone.Franz@sdx-ag.de](mailto:Simone.Franz@sdx-ag.de)

☎ +49 (151) 1533 1220

🌐 LinkedIn Contact



**Anette Mroz**

Ass. CEO and Sales

✉ [Anette.Mroz@sdx-ag.de](mailto:Anette.Mroz@sdx-ag.de)

☎ +49 (151) 1732 1181

🌐 LinkedIn Contact



**Daniel Thomas**

Technical Sales

✉ [Daniel.Thomas@sdx-ag.de](mailto:Daniel.Thomas@sdx-ag.de)

☎ +49 (151) 1538 1827

🌐 LinkedIn Contact



**Dr. Till Rebenich**

Chief eXpert

✉ [Till.Rebenich@sdx-ag.de](mailto:Till.Rebenich@sdx-ag.de)

☎ +49 (171) 4411 619

🌐 LinkedIn Contact



**Social**

[www.sdx-ag.de/Flurfunk](http://www.sdx-ag.de/Flurfunk)

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# Innovation. Community. Success.



As a technology partner, SDX is passionate about realizing modern, attractive software powered by first-class architectures, using state-of-the-art and professional methods. Thereby, we achieve sustainable success for our customers, our eXperts and for SDX.

**Our vibrant SDX community ensures know-how transfer and better software.**

