



SMART DATA LAB

FOSTERING SMART DATA INNOVATIONS

Telekom Innovation Laboratories

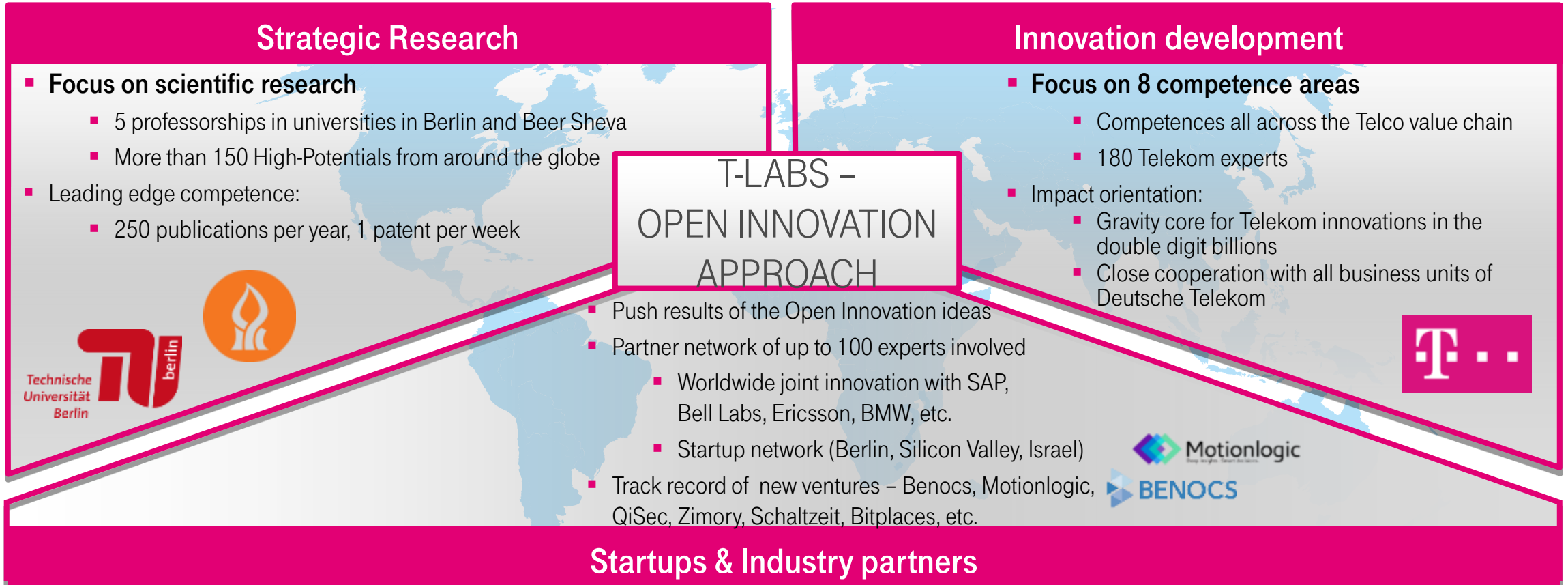


LIFE IS FOR SHARING.

T-LABS: SILICON PLATZ, SILICON WADI & SILICON VALLEY

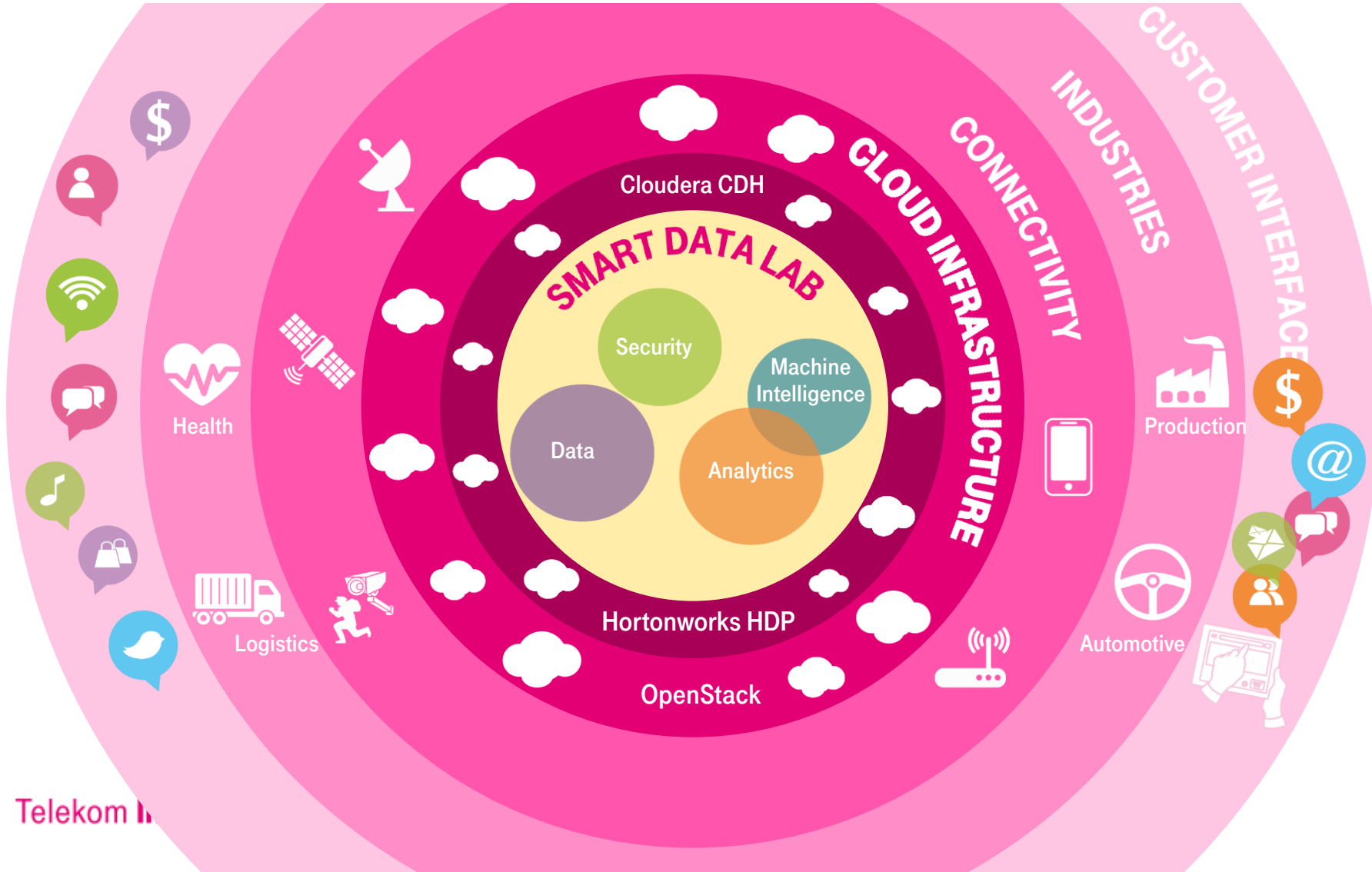


BE THE MOST ATTRACTIVE AND RESPECTED DIGITAL INNOVATION UNIT, ESPECIALLY IN BERLIN



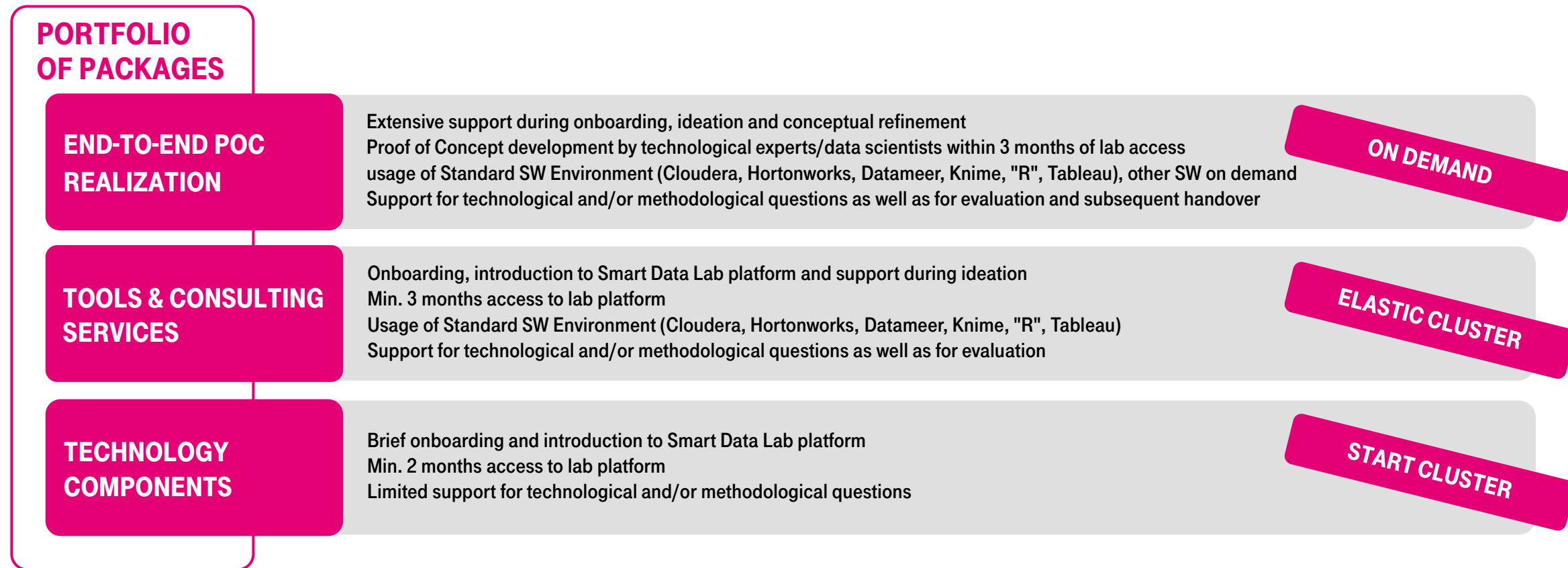
Network of international partnerships with prestigious research institutes, universities, industrial partners and startups.

SMART DATA LAB DEVELOPMENT AND VALUE OPTIMIZATION ENGINEERING HELPS DT'S ASSET OPTIMIZATION



SMART DATA LAB

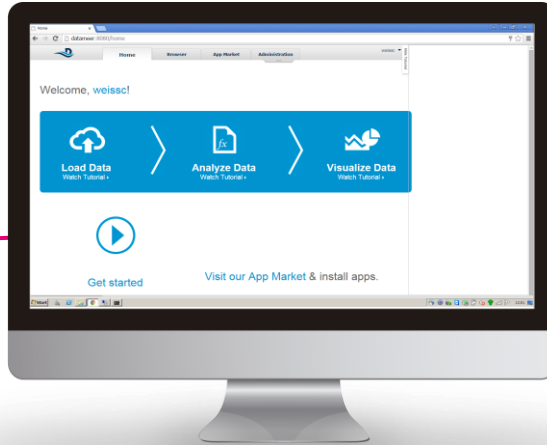
A COMPLETE STACK TO FOSTER DATA ANALYTICS



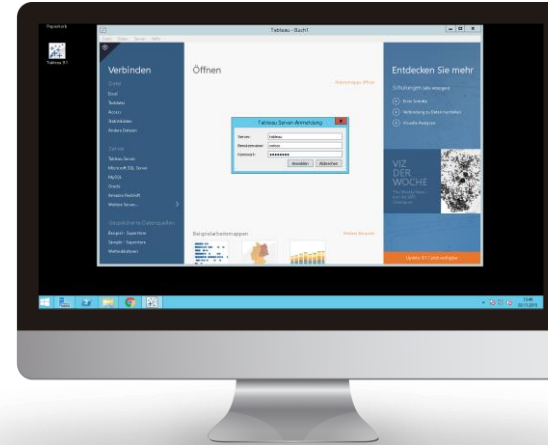
CLOUD DATA LAB

COLLABORATION ACROSS LOCATIONS AND TEAMS

DATAMEER



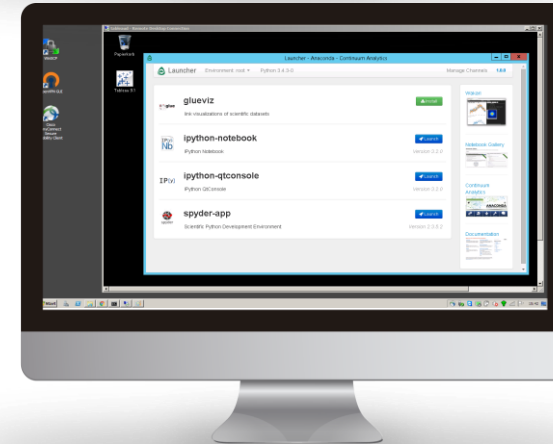
TABLEAU



KNIME



IPHYTHON



Telekom Innovation Laboratories

SMART DATA LAB TECHNOLOGY STACK

SMART DATA LAB PLATFORM



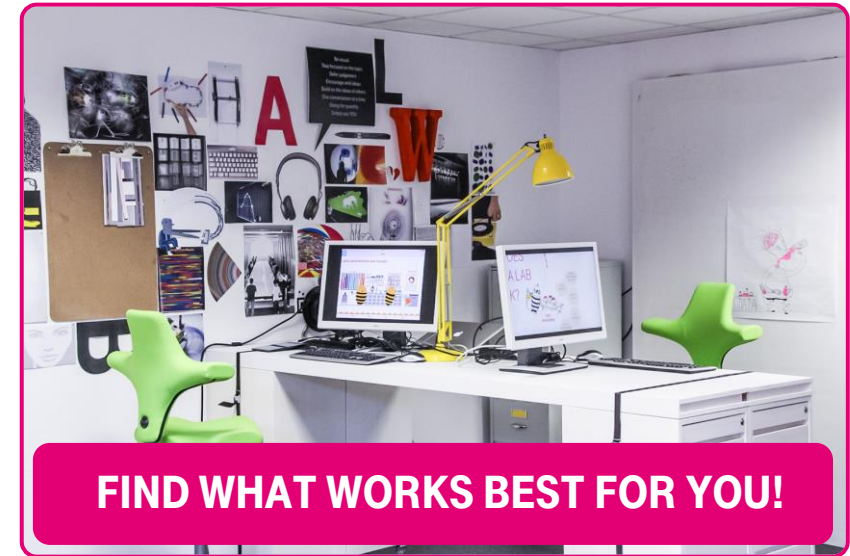
COMPREHENSIVE DATA ANALYTICS TOOLBOX



CLOUDERA OR HORTONWORKS-BASED PLATFORM
FOR BIG DATA PROCESSING



OPEN STACK AS UNDERLYING CLOUD COMPUTING
INFRASTRUCTURE



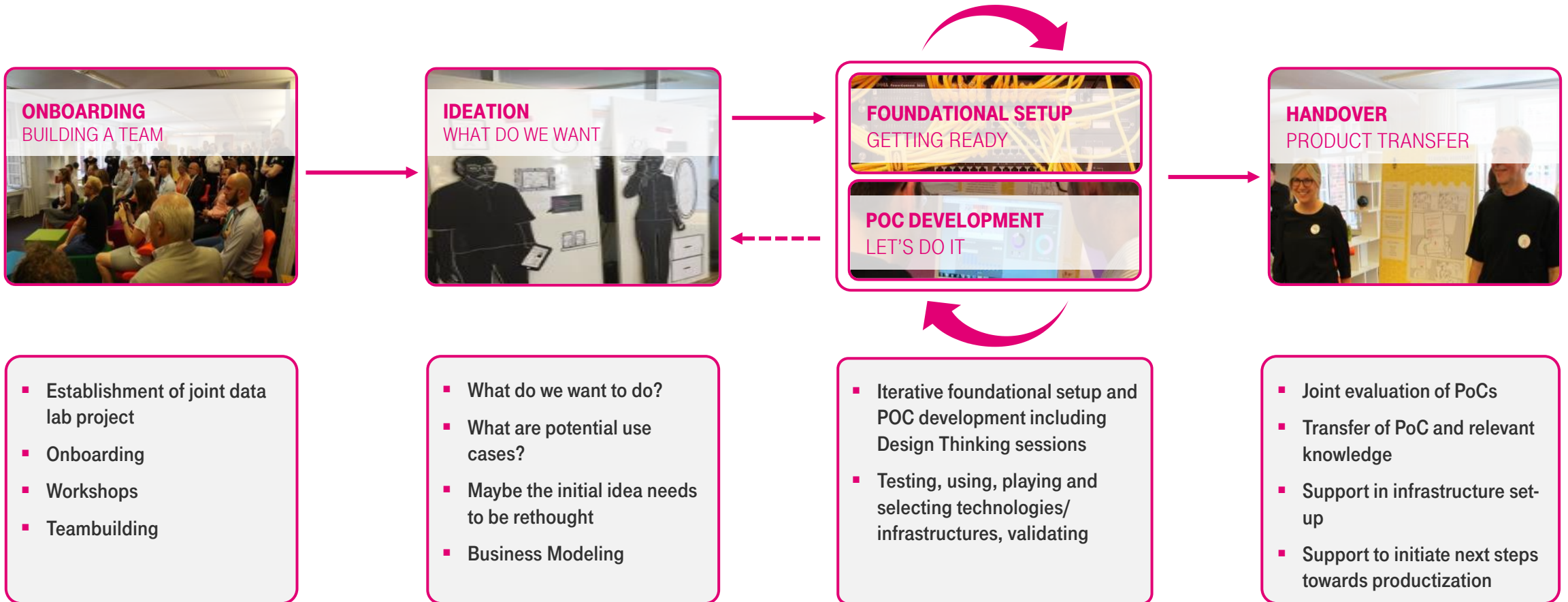
FIND WHAT WORKS BEST FOR YOU!



Telekom Innovation Laboratories

END-TO-END POC REALIZATION

GUIDED POC PREPARATION AND DEVELOPMENT



ONBOARDING, DISCOVERY AND TRANSFER

FROM IDEA TO DATA SOLUTION



ONBOARDING PARTNERS

- Team and role setup, resource planning
- Business modelling & discovery targets
- Requirements specification
- Determine tools, programming languages, data mining methods
- Training for new data lab user
- Configuration and deployment of virtual data lab cluster, user management
- Evaluate data privacy and security constraints



DISCOVER AND VALIDATE

- Specify and prepare trial data
- Data ingestion and interface handling/adaption/development
- Data cleansing, aggregation etc.
- Create models, elaborate analytics, apply data mining methods, generate predictions, optimize performance
- Visualize and validate solutions with subject matter or business experts
- Optimize highly parallel systems resources for productive deployment



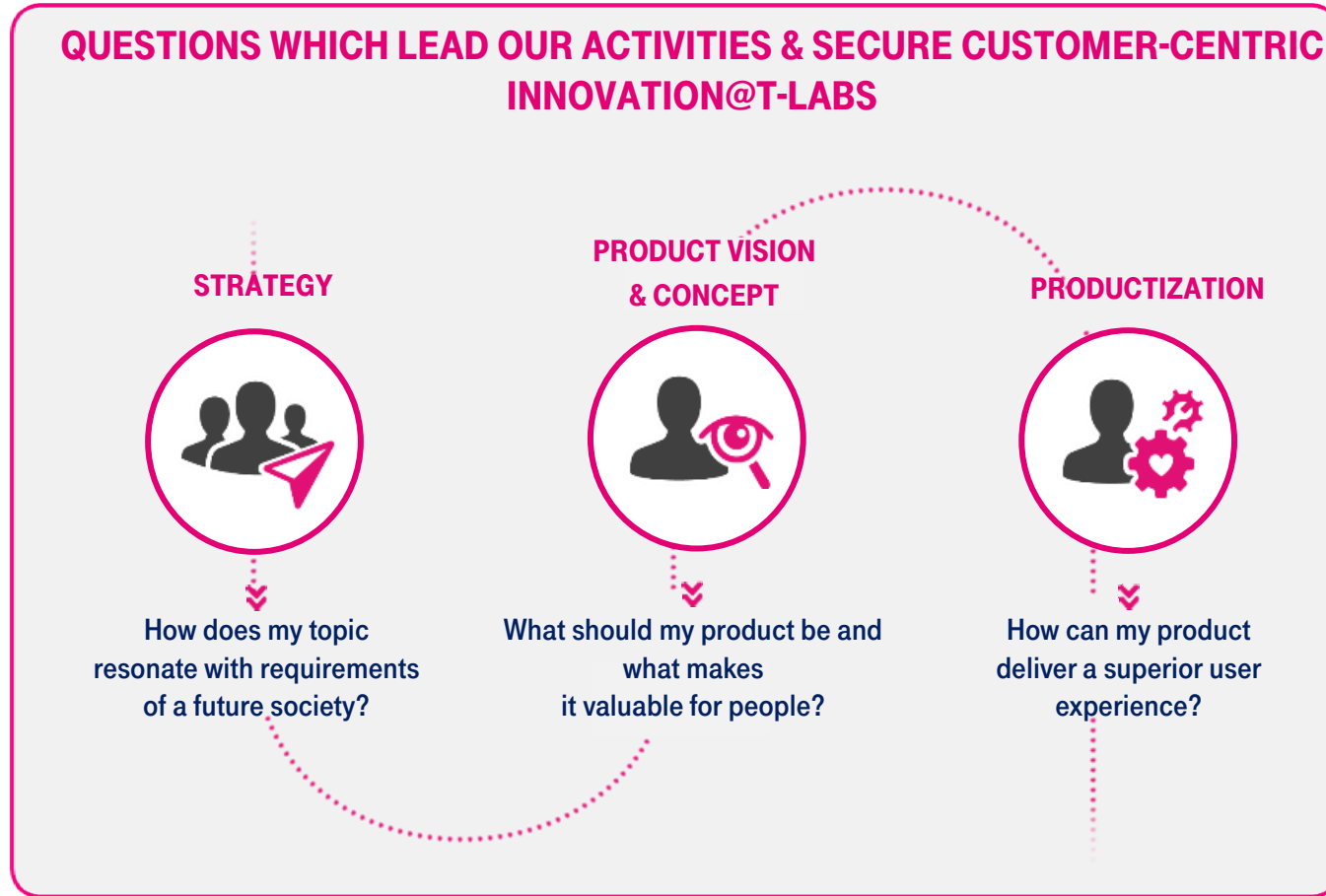
TRANSFER AND DEPLOY

- Prepare transfer to production environment
- Specify target production environment, inclusive tools, clusters, interfaces, administration, privacy, etc.
- Production environment software deployment and licensing
- Adopt trial infrastructure, tools, interfaces, for real data and production system
- Validate solution in production environment



BUSINESS MODELLING AND CONSULTING

DESIGN THINKING FOR TARGET DEFINITION



SMART DATA LAB

WE DEVELOP ACROSS DT

ENERGY

Outage Management
PoC 10/2015-02/2016
Dedicated Cluster
Cloudera
IPhy, Anaconda, R

SMART HOME

PoC 2016
Dedicated Cluster
Cloudera,
Flink, R, Tableau

AUTOMOTIVE

PoC 04/2016, ongoing
Dedicated Cluster
Cloudera

M2M

Device Cloud
PoC Q1/2016
Cloudera,
R, Tableau, Knime

CRM

Pre-Production
PoC 01/2016, ongoing
Dedicated Cluster
Hortonworks

SMART DATA ANALYTICS

ENGINEERING & DATA PLATFORM AS A SERVICE

MANAGED CLOUD INFRASTRUCTURE AS A SERVICE

DATALAB

FUTURE ANALYTICS

SYNTHETIC DATA TO OVERCOME PRIVACY ISSUES

The Solution/USP:

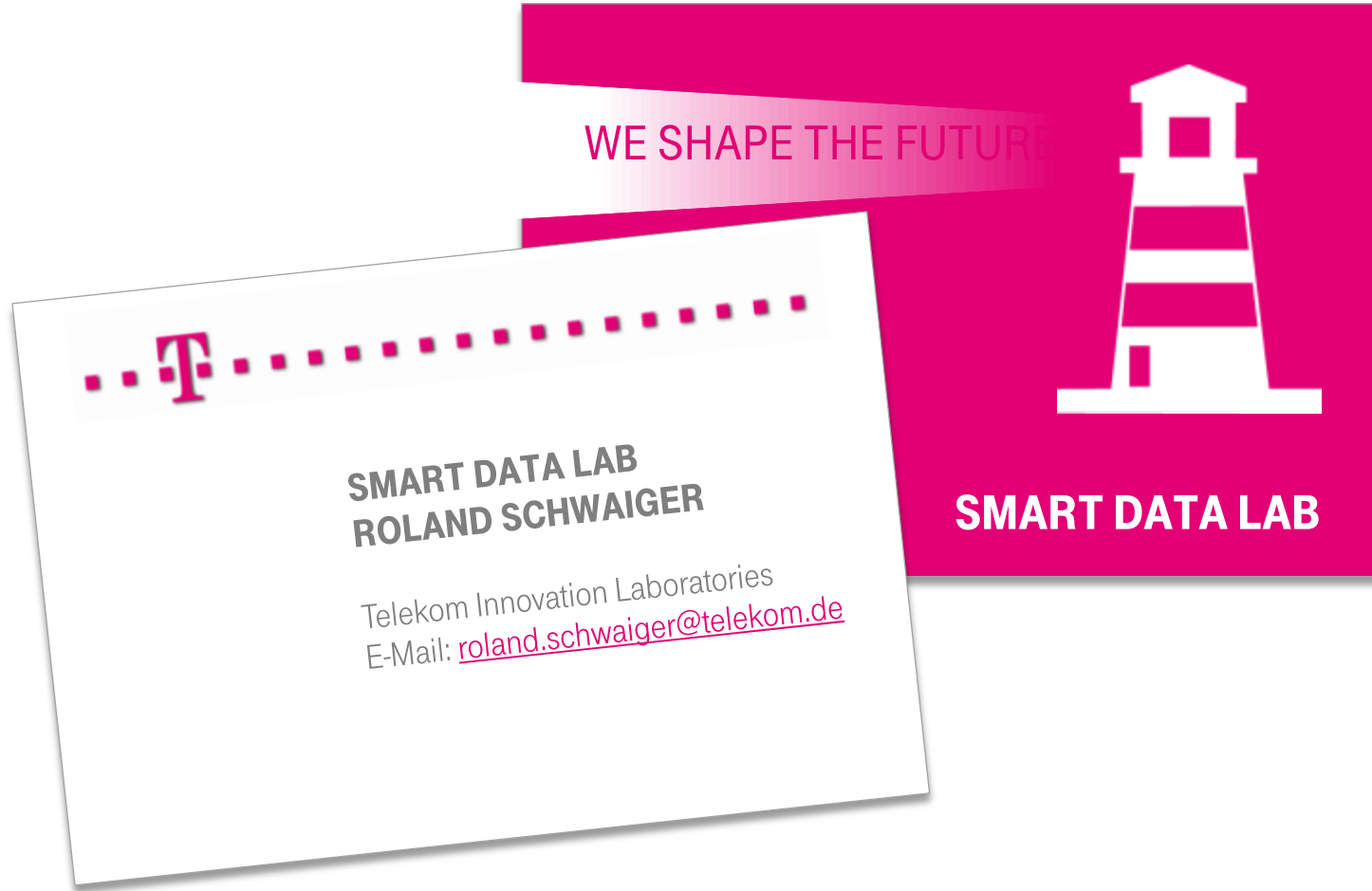
- Synthetic data have nearly the same quality as the original.
- They cannot be traced back to their origin.
- 100% compliant with Data Privacy
- Patents pending (disruptive technology).
- It can be stored in any way and transferred to other.
- This makes new services, including individualized services, possible.

MOTIONLOGIC - OUTDOOR ANALYTICS

BIG DATA MANAGEMENT CONSULTANCY TOOL



CONTACT



Telekom **Innovation Laboratories**