## Why are we still bemoaning, or





## ... how would you start a world rekord today?

## Relevance of Connected Business: Social Architectures

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### Drivers for business transformation and their translation into the market

Digitalization – Information/Data/Software everywhere and anywhere and on any device

"DIGITAL TWIN , AI, BLOCKCHAIN, AUGMENTED, 3D"

Cyber Computing – Massive data availability shows us "what, not how"

"WATSON, Customer Centric Data vs Operational Data"

Internet of Things – Technology is enabler for inventive agile global business models

"UBER"

Omni-Channels – Networks create disrupted commercial environments

"ALIBABA"

New players interact in existing markets

"AMAZON, MICROSOFT, GOOGLE"

Demographic changes - Different generations in context of behavior and work

"GAMIFICATION, TOUCHLESS, AVAILABILITY, SUSTAINABILITY"

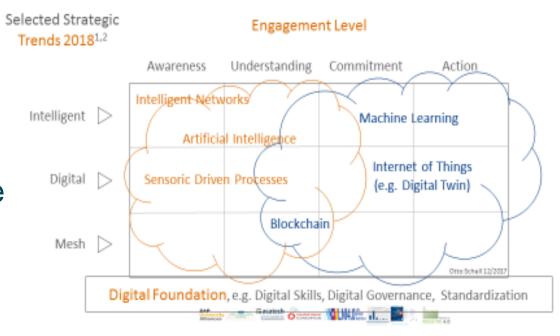
## Social Architectures - Relevance of Connected Business

Internet of Things is changing our the way of collaboration:

Industries are challenged in their core and companies are attacking grown business models

New business models are crashing existing landscapes

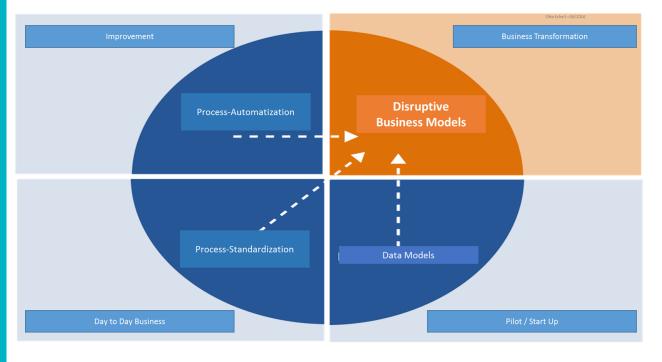
#### **ENGAGEMENT AREAS – LOOKING INTO THE OVER NEXT GENERATIONS**



<sup>&</sup>lt;sup>3</sup> Gartner Top 10 Strategic Technology Trends for 2018 (Link)

<sup>2</sup> DSAG internal hypotheses - Otto Schell 12/2017

## **Business Transformation: The only way to Run Business**



Example AIN

Cost Reduction						
Benefit Category	Benefit Type	Quantitative Benefit Description	Baseline (\$M)	Baseline Period	Benefit Hypothesis Estimate	Incremental Benefit (\$M) Estimate
Maintenance Spend	Cost avoidance	Reduced maintenance spend on assets in critical condition (red assets) <sup>1</sup>				
		Improved management of maintenance activities				
Asset Strategic Sourcing	Capital avoidance	Better supplier pricing through long term asset planning and strategic sourcing				
Warranty Recovery <sup>5</sup>	Cost recovery	Increase in OEM warranty recovery				
Asset Reuse / Disposal <sup>6</sup>	Capital avoidance	Capital avoidance due to increased % of surplus assets recovered <sup>7</sup>				
Lost Units	Cost avoidance	Reduction in # units (trucks) produced on non-scheduled overtime (NSOT)				
					Total	

**Example Services** 



#### **Business Strategy**

- Mobility Provider
- Enhanced Service Reach

#### **Solutions and Platforms** Remove unnecessary • Real Time Application

transactional activities by real time process mining and

Experience by self-services

Develop new

Partners, ECO System and Innovation

- E2E Partner Integration
- Business Platform IoT

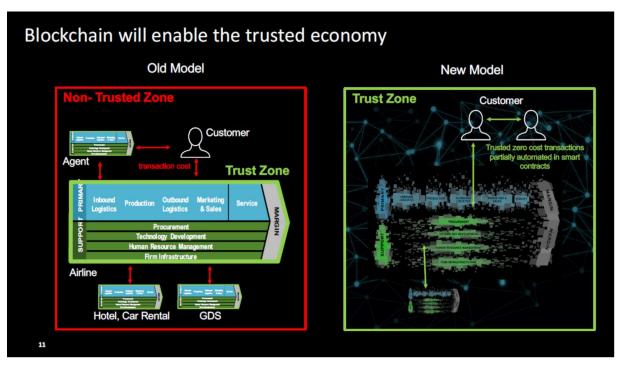
Supplier **Networks** 

Integrate E2E Financial with top suppliers (Blockchain\*)

Digital Service Office

CAR as a Service Platform

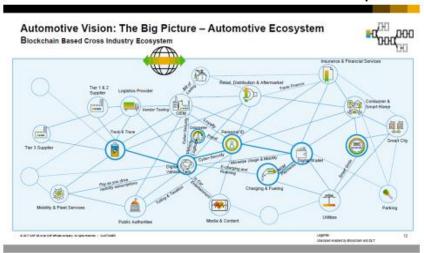
Extend Service Offerings



# Reality check: Process Example Procure to Pay

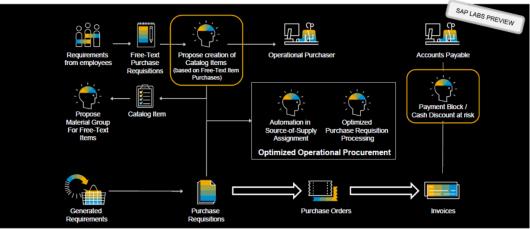
Source: Blockchain in der Praxis: Aktuelle Beispiele und Herausforderungen für Unternehmen, Burkhard Blechschmidt, Cognizant Consulting (06/2018)

#### Blockchain as semantic driven internet protocol



#### Supply Chain: Procure to Pay End-to-end process

Hyper-automated with SAP S/4HANA Cloud via SAP Leonardo Machine learning Intelligence



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## DSAG & Digital Transformation – EVOLUSTRY is within all of us

- > Leverage know-how from more than 3,600 DSAG member companies & benefit from an international network of SAP user groups & other related organizations
  - > Action: Strengthen exchange between university and industry with focus on small and medium-sized business
- > Gain valuable insights and get expert advice from more than 60000 peers & thought leaders from Business and IT executing digital transformation
  - > Action: Engage in expert discussions, learn about digital transformation projects & get the latest information on relevant trends, business platform solutions & developments in a global Eco System



> Accelerate, network & collaborate within customer community and stay influential in strategic discussions

#### Lead to cash

- Drive personalized, transparent experiences
- Offer an end-to-end customer master data strategy
- Deliver insights to improve customer engagement

#### Design to operate

- Plan, source, and deliver the right goods and materials at the right time
- Balance supply and demand in real time
- Create a smart, connected digital supply chain

#### Source to pay

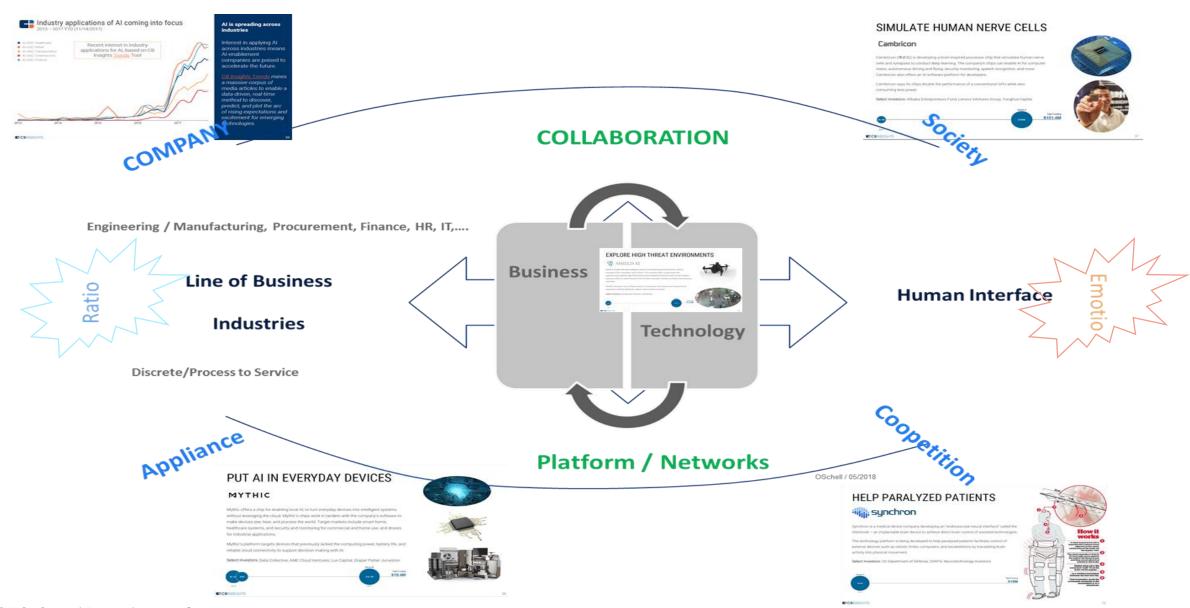
- Reduce inventory and optimize working capital
- Manage and avoid supplier risk proactively
- Eliminate maverick spend

#### Total workforce management

- Create complete financial transparency
- Maximize workforce agility and build the perfect teams
- Align talent strategy to business priorities

Embedded Analytics

## Megatrends in Digital Economy: Opportunities / challenges in the ECO System



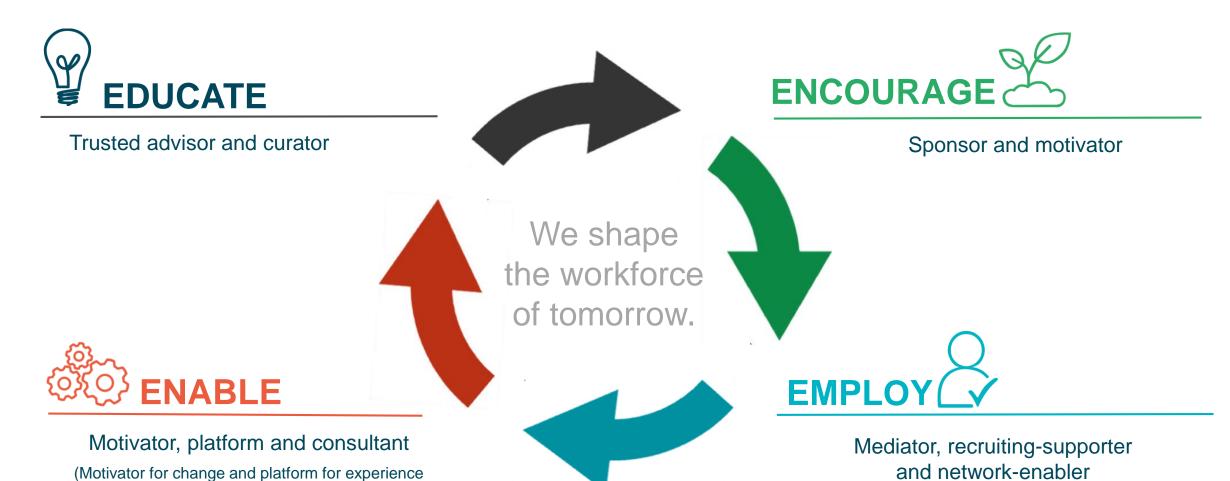
## Ideation: Define the skill cluster needed

TOPICS WE COVER (https://groupfu	uturista.com/About-Us)		
Machine Learning	Digital Darwinism	Drones	
Data regulation	Autonomous Vehicles	Intelligent Transportation Syste	
Industrial Automation	Surveillance Capitalism	Workplace Innovation	
Additive Manufacturing	Computer Vision	Medical Device hacking	
Deep Learning	Cloud Computing	BOT's	
Gene Editing	Reinforcement Learning	Digital Twin	
Robotics	Lean 4.0	Autonomous Car	
IIOT	Reinforcement Learning	Enhanced Human Gender Equality	
Al	Circular Economy		
Factories of the Future	Product as a Service	Global Warming	
Healthcare	VR/AR	Renewable Energy	
Al	Social Innovation	Robotics	
Women in Tech	Cyber Security	Solar Eenergy Sustainable Growth	
Blockchain	Wearable Technology		
Machine Intelligence	Percision Medicine		
Hyperloop trains	Geospatial technologies	L	
AI Assistants	Fraud Analytics	F	



#### **Concept and strategy**

## The <u>role</u> of the DSAG-Academy



and knowledge exchange to create a culture of lifelong learning in companies)

## **Projection: Future Role of ...**

## Collective "Creativity" Governance

Rules of Engagement
Models of Engagement

## **Social Architectures**

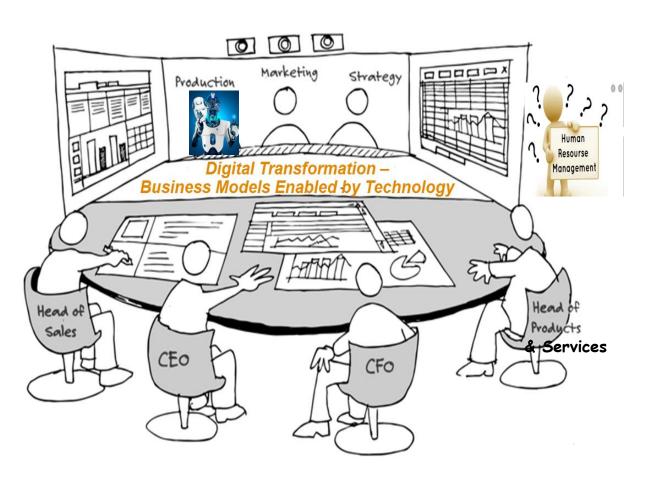
- Exposable platforms (common / inventive)
- Economic network integration (industrial / public)
- Talent/Skill related (approachable / incentivized)



- Guiding Principles
  - Ethics
  - Research
- Lessons Learned

Otto Schell / 09/2017

## Our environments are seamless, fast, and "disruptive" at same time



Overrun own pragmatism and accept historical achievements

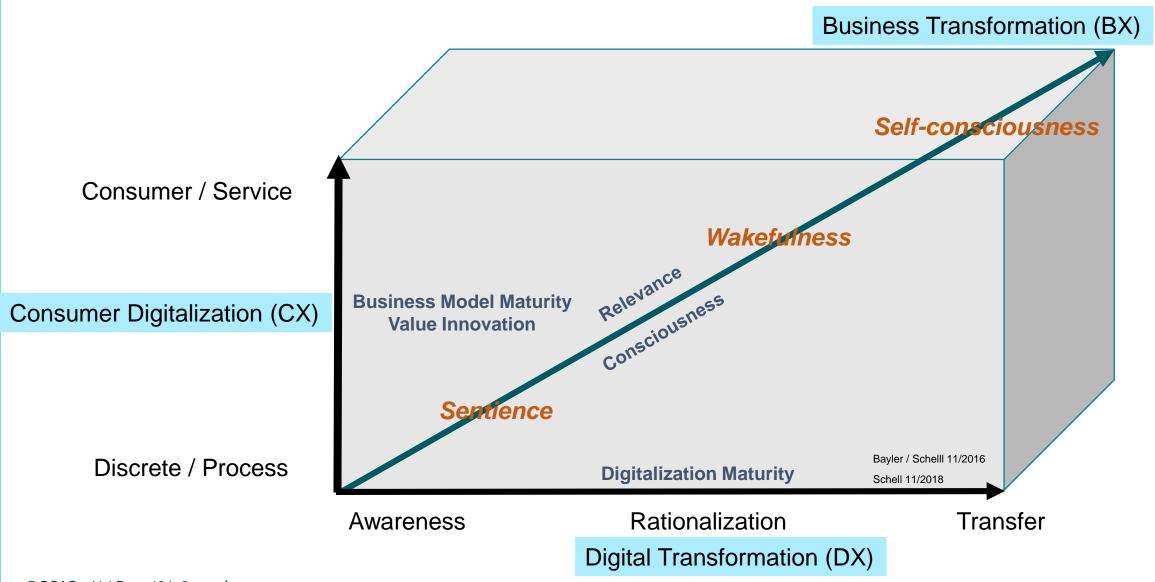
Start to generate in a holistic way holistic (process, system, data and services)

Discover "unused assets" by running different value proposition

Create new skills

Trust, collaborate and govern within the Eco-System

## **Building Social Architectures - levelX**



# Digitalization is not a question about the "why", it is the answer to the "now"!