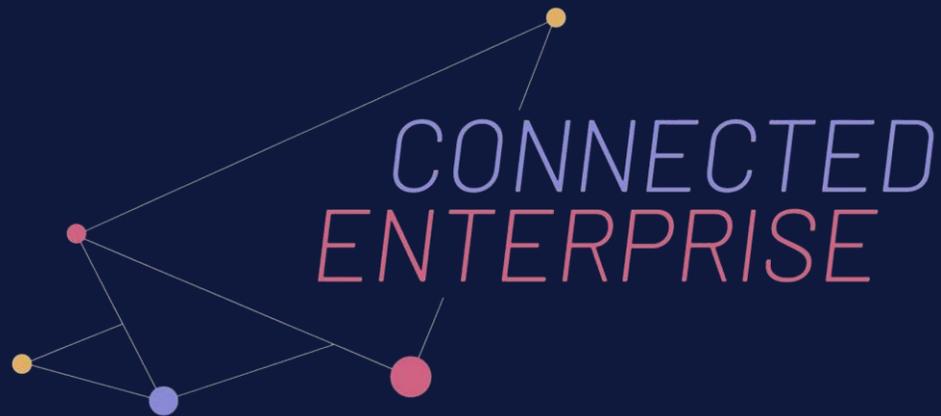


# The vision of a connected enterprise

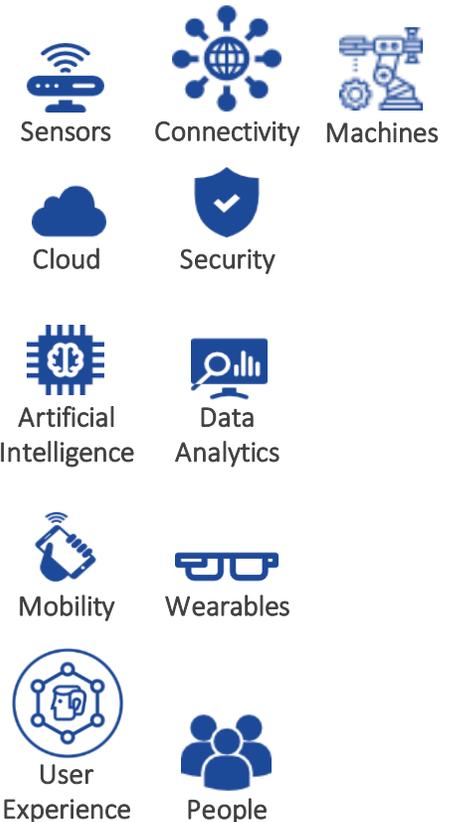
what we need, to achieve this vision...

and some thoughts on how to get there...



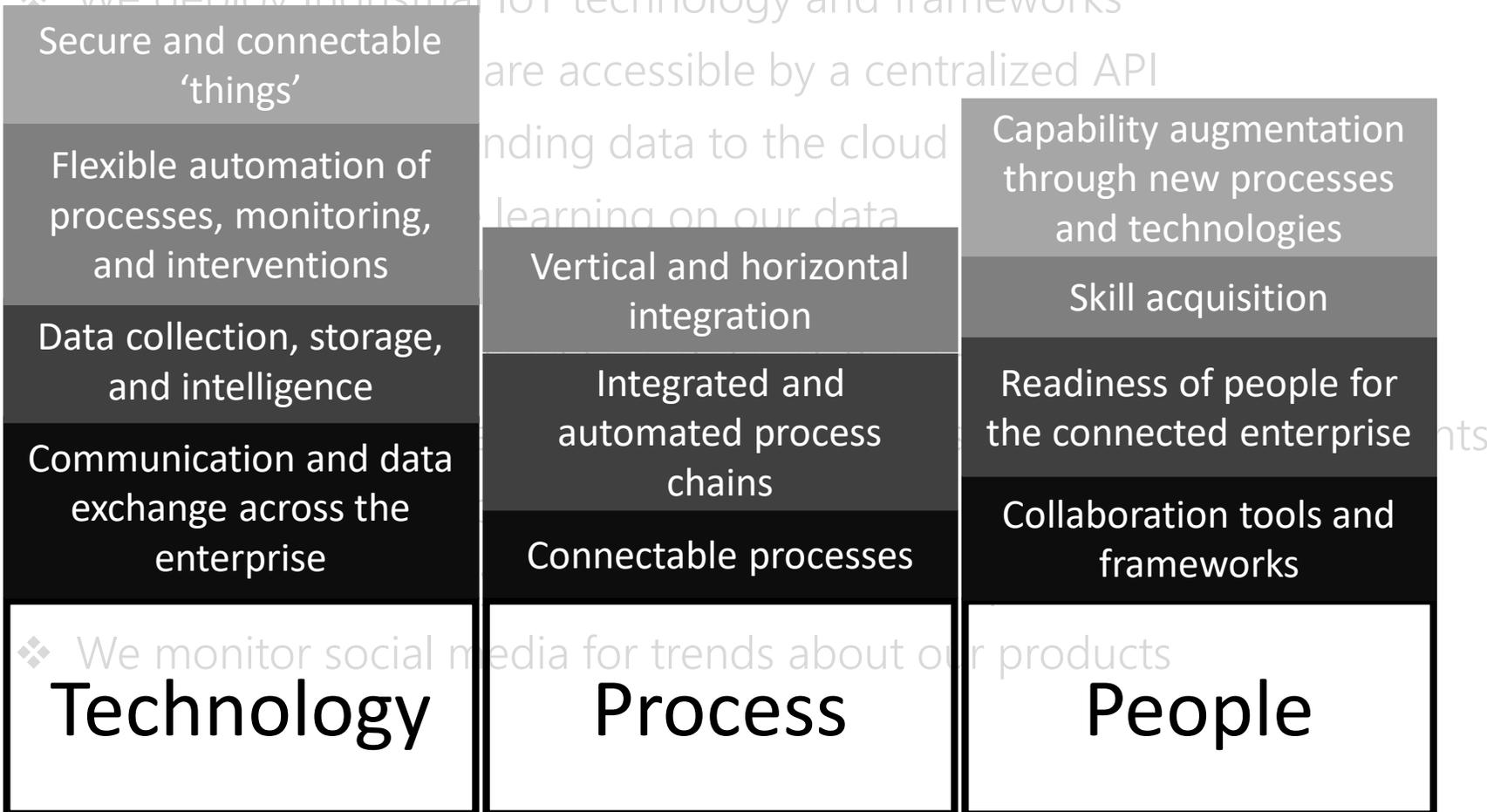
# What is a connected enterprise?

- ❖ We deploy Industrial IoT technology and frameworks
- ❖ Our assets and data are accessible by a centralized API
- ❖ Our machines are sending data to the cloud for analysis
- ❖ We employ machine learning on our data
- ❖ We have a high level of RPA maturity
- ❖ All our data sources feed to a state-of-the-art data lake
- ❖ Our supply chain uses smart contracts across vendors and departments
- ❖ Our workers wear HoloLens units which guide their tasks
- ❖ Customers constantly send us data about our products
- ❖ We monitor social media for trends about our products

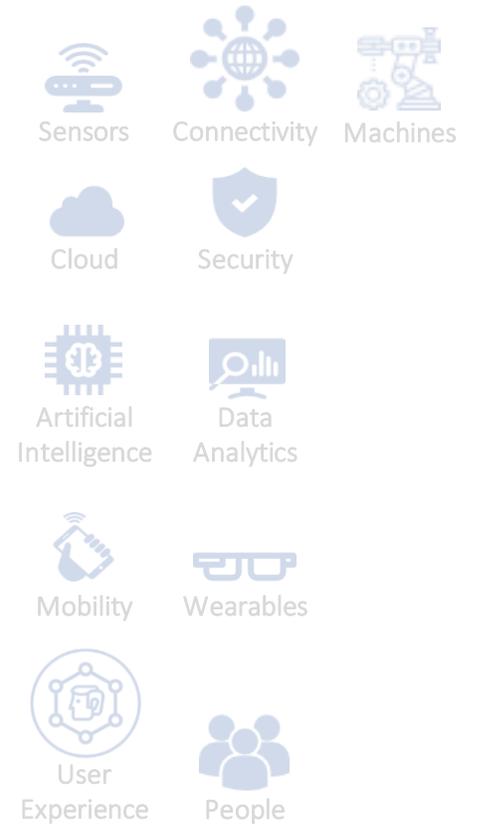


# What is a connected enterprise?

❖ We deploy Industrial IoT technology and frameworks



❖ We monitor social media for trends about our products



# Why do we need the enterprise to be connected?

❖ We deploy Industrial IoT technology and frameworks

Secure and connectable  
'things'

are accessible by a centralized API

uploading data to the cloud

Capability augmentation

Flexible automation  
processes, monitoring  
and intervention

Data collection  
and intelligence

Communication  
exchange across  
enterprise

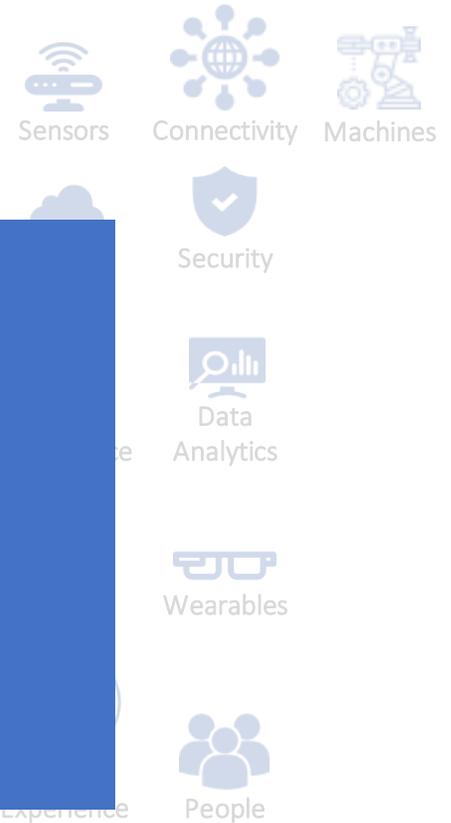
**The goal of a connected enterprise is to get itself ready – ready to be a smart enterprise.**

❖ We monitor social media for trends about our products

Technology

Process

People



# Then, what's a "smart" enterprise – some examples, good or bad:

- ❖ We deploy Industrial IoT technology and frameworks
- ❖ Our assets and data are accessible by a centralized API
- ❖ Our machines are sending data to the cloud
- ❖ We employ machine learning on our data
- ❖ We have a high level of RPA maturity
- ❖ All our data sources feed to a state-of-the-art data lake
- ❖ Our supply chain uses smart contracts across vendors and departments
- ❖ Our workers wear HoloLens units which guide their tasks
- ❖ by overlaying real-time predictions about the maintenance needs of our machines and providing the steps to carry out this maintenance.

and this allows us to quickly put together a workflow application that triggers purchase of extra raw material when our product goes viral on social media.

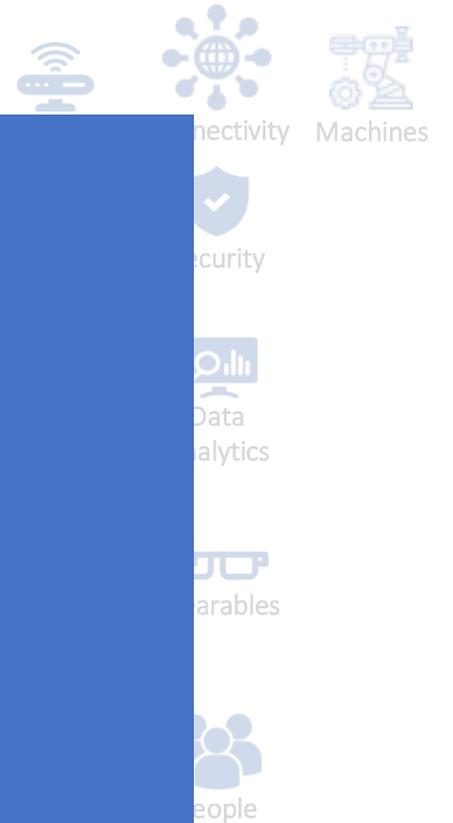
and if a spare part burnout is predicted, automatically inform the spare part inventory process to ensure presence of the part, among other things.

which allows us to see that increasing training time by 10 hours and reducing the air-conditioning temperature by 2 degrees improved productivity by 8%.



# What is a “smart” enterprise?

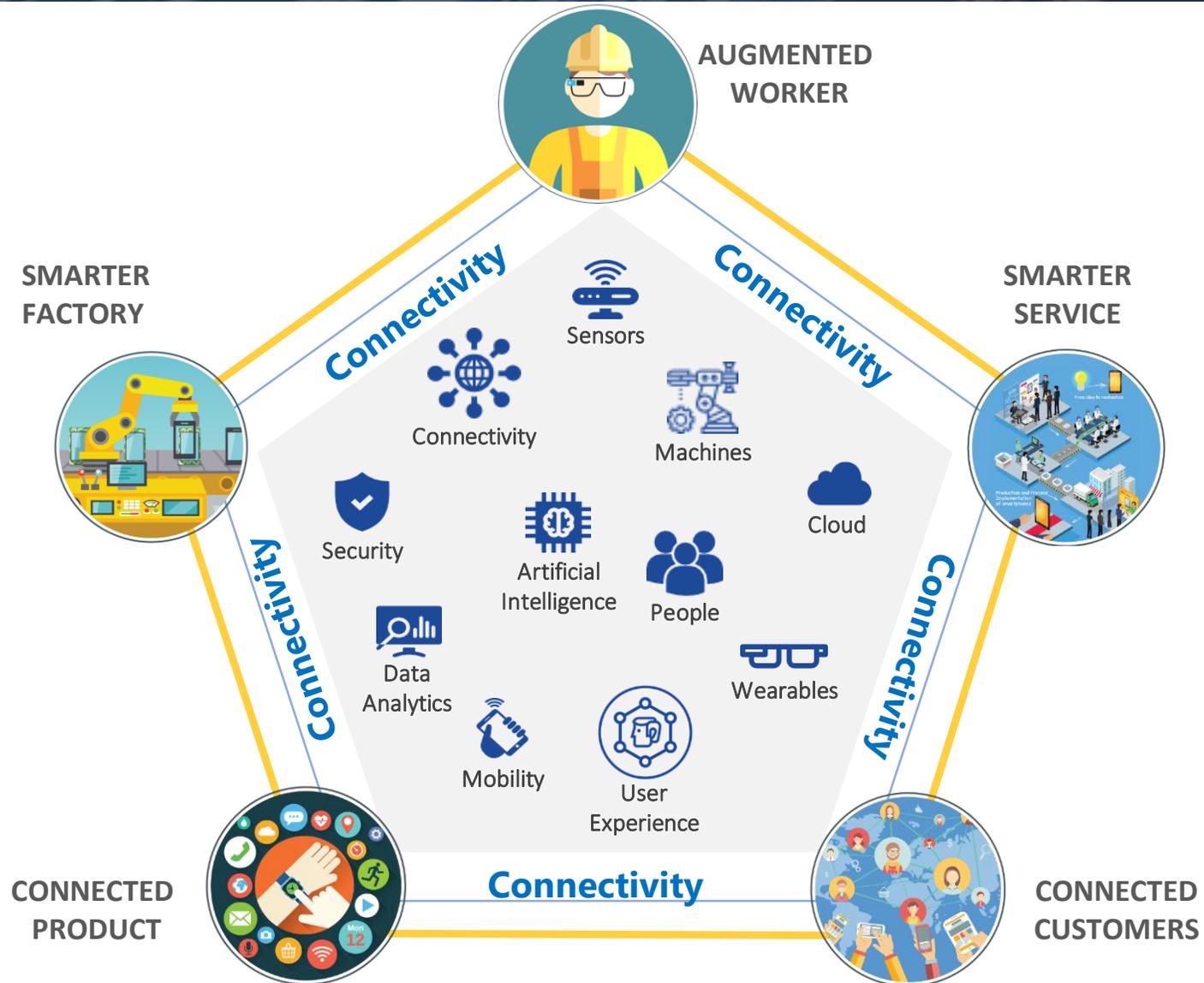
- ❖ We deploy Industrial IoT technology and frameworks



## What's a Smart Enterprise?

- ❖ ❖ Real-time data to make automated decisions
- ❖ ❖ Rapidly test and deploy new business models
- ❖ ❖ Predict decay or breakdown
- ❖ ❖ Actionable analytics
- ❖ ❖ Prescriptive intelligence capabilities
- ❖ ❖ Rapidly adopt new technologies and try new ideas
- ❖ ❖ Real-time and automated monitoring, analysis, and steering capability end-to-end (device, edge, system, enterprise)

# Let us see this again – a vision for a smart enterprise powered by connected technologies – what can we do with it?



There's so much to do – so many things to try

So much to do, so little time!

How?

TRAINING & SUPPORT	SUPPLY CHAIN RISK MANAGEMENT	SHOP FLOOR GUIDANCE	PREDICTIVE MAINTENANCE
COMMERCE ATTRACTION	FIELD SERVICE OPTIMIZATION	WORKER PRODUCTIVITY & SAFETY	NEW BUSINESS MODELS
PREDICTIVE CONSUMPTION	CUSTOMER SERVICE IMPROVEMENT	SERVICE & SUPPORT OPTIMIZATION	WORKER PRODUCTIVITY
HOME PURCHASING EXPERIENCE	PREDICTIVE PURCHASING	MAINTENANCE & REPAIR	SUPPLY CHAIN OPTIMIZATION
CUSTOMER SERVICE 24/7	CUSTOMER BEHAVIOR INSIGHTS	PRODUCT QUALITY & DEFECTS TRACKING	DATA MONETIZATION
FEET & ROUTE MANAGEMENT	ENVIRONMENTAL TRACKING	DEMAND FORECASTING	CONTINUOUS DEMAND SENSING
DIGITAL SIGNAGE	ORDER, SHIPPING & RETURN SUPPORT	END-TO-END AUTOMATION	ENERGY COSTS OPTIMIZATION
SEGMENTED SHOPPING EXPERIENCE	IN-STORE CONSUMER ANALYTICS	SPARE PART ORDERING & SHIPMENT	PRICE ELASTICITY & SENSITIVITY
MAINTENANCE & REPAIR	BEACONS IN CONSUMABLES	INVENTORY AUTOMATION	SOFTWARE-BASED-SERVICES
DATA MONETIZATION	TREND PREDICTION & REACTION	REAL-TIME INTERACTION WITH IOT	BETTER QUALITY ASSURANCE
SOFTWARE-BASED-SERVICES		REMOTE ASSISTANCE	CUSTOM PRODUCT DESIGN
DEMAND FORECASTING			

Enterprises need to be able to run experiments



# Enterprises need to be able to run experiments but in a structured way

## THINKING BREAKTHROUGHS

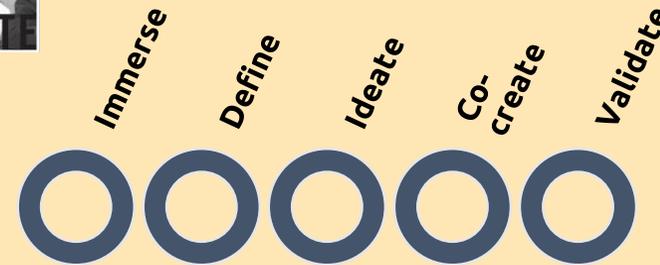
1. Identify business priorities
2. Define KPIs for priorities
3. Discover ideas for each priority
4. Filter ideas based on criteria:
  - Business viability
  - Technical feasibility
  - User desirability
  - KPI adherence
  - MVP cost
5. Present and implement using toolkits



## INNOVATION TOOLKIT



a custom innovation process designed to rapidly create tangible solutions



## DIGITAL MOBILIZATION TOOLKIT



### Ideation + Digital Use Case

profit from an outside-in inspiration, leverage creative potential

### Business Value

evaluate benefits and focus on most promising and feasible use cases

### Prototype and Mobilization

it doesn't exist if you can't show it – mobilize stakeholders with a custom-made prototype/MVP

THANKS

**nagarro**  
THINKING BREAKTHROUGHS

CONNECTED  
ENTERPRISE

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