# PROCESS AUTOMATION AT DHL GLOBAL FORWARDING









THE FREIGHT FORWARDING EXPERTS







## The Global Service Center (GSC) is an integral part of our DHL Global Forwarding, Freight division



#### **EXPRESS**

### Time Definite, Same Day and Day Definite Products

- Global market leader in the international express market<sup>1)</sup>
- Presence in more than 220 countries and territories
- 3 main global hubs linked by intercontinental network
- Approx. 84,000 service points
- Approx. 3,000 facilities
- > 260 dedicated aircraft serving approx. 500 airports globally
- Approx. 34,000 vehicles
- Approx. 2.6m customers
- Approx. 101,400 employees<sup>3)</sup>

#### **GLOBAL FORWARDING, FREIGHT**

#### Air & Ocean freight / Road Transportation

- Global market leader in air freight
- One of the top two leading ocean freight services with a market share of 3.259m TEU
- No. 2 of European road freight forwarders with a market share of 2.2%
- Specialist in industrial projects and end to end transport management solutions
- Presence in >150 countries and territories
- Strong customer base (>50% of Forbes 500)
- Approx. 45,400 employees worldwide<sup>3)</sup>

#### **SUPPLY CHAIN**

### Contract Logistics and Industry Solutions

- Global market leader in contract logistics with more than 7% global market share
- ~13.2m square meters of warehouse space<sup>2)</sup>
- Strong customer base built on long-lasting partnerships
- About 158,400 employees worldwide<sup>3)</sup>

#### **eCOMMERCE SOLUTIONS**

### Domestic Delivery, Cross-Border and Fulfillment

- Connects e-commerce sellers and buyers across the globe
- Operates standard domestic parcel operations in selected countries in the US, Europe, India and Asia Pacific and provides cross-border solutions into 220 countries world-wide
- Fulfillment services in selected markets
- Operates a convenient service point network across our markets with more than 67,000 service points
- Approx. 37,000 employees

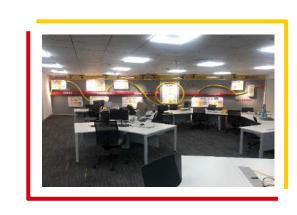
#### **GSC** at a Glance



15 Service Lines

GSC

**150** Business partners

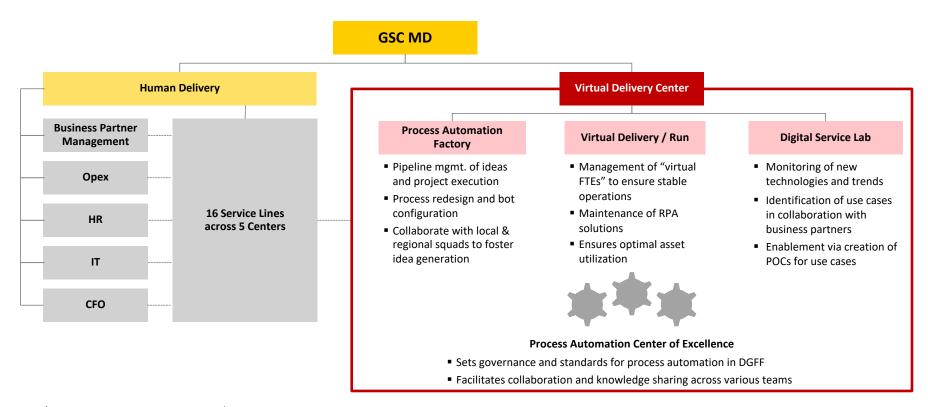


**452** virtual FTEs

🖺 141 Robots

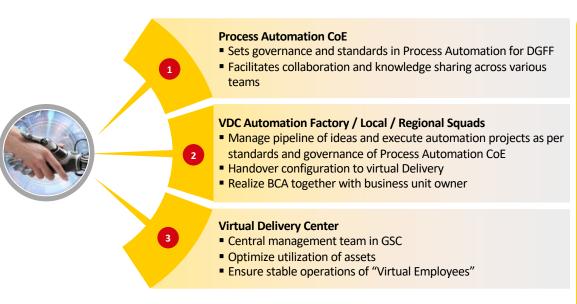
10% virtualization ratio expected

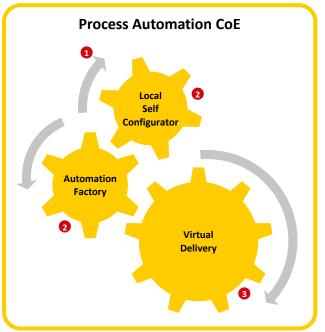
### GSC has established its Virtual Delivery Center (VDC) as the Center of Excellence for Process Automation in DGFF



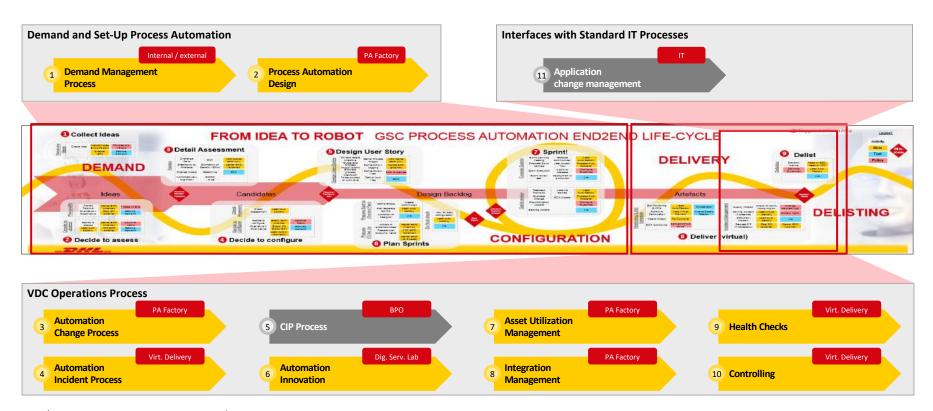
# The VDC leverages agile methods to ensure right balance between local speed and global governance in executing and delivering PA

#### **PA Tribe and Regional Squads**

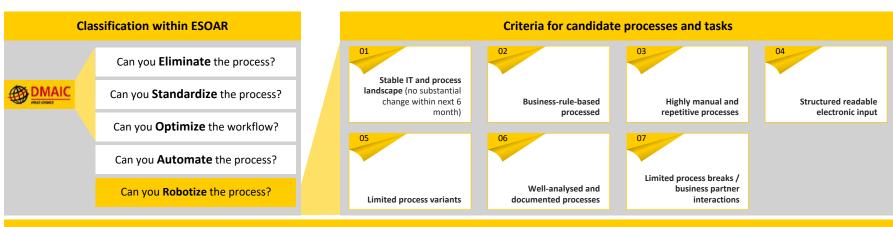




# The GSC created the "Idea2Robot" framework encompassing people, methods and tools for the entire automation journey



### Clear selection process helps to identify and prioritize process automation demands



#### Types of business processes in which RPA can be used



Repetitive tasks carried out 50-60 times a day\*



Process list and file storage\*



Periodic reporting, data entry and data analysis\*



Mass email generation, archiving and extracting



Conversion of data format and graphics\*



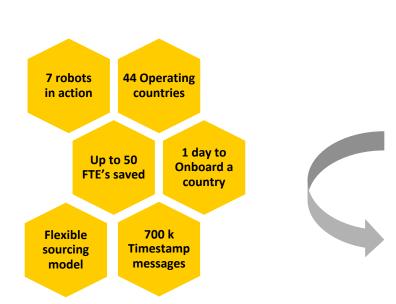
ERP and other backoffice transactions\*

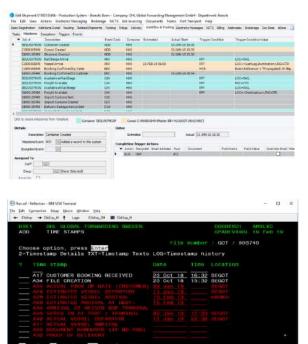
<sup>\*</sup> RPA solutions deployed within DGFF

### Use Case: RPA used to synchronize operational systems during business transformation

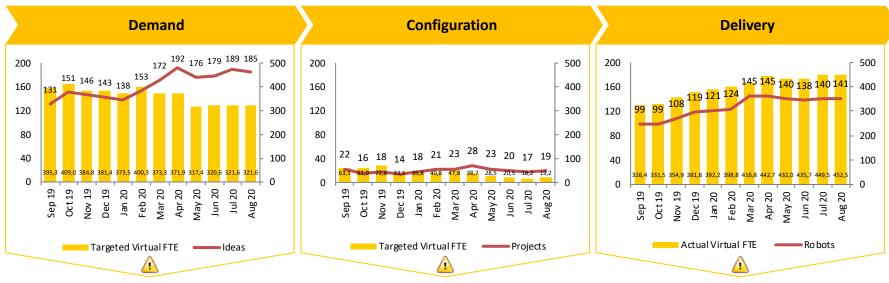
#### OFR IRR Coex - Since July 2017...

The DGFF operating system is replaced by CW1. The specific import and export timestamps automatically doesn't Flow between two systems CW1 and Logis. A robot is built to synchronize this milestones.



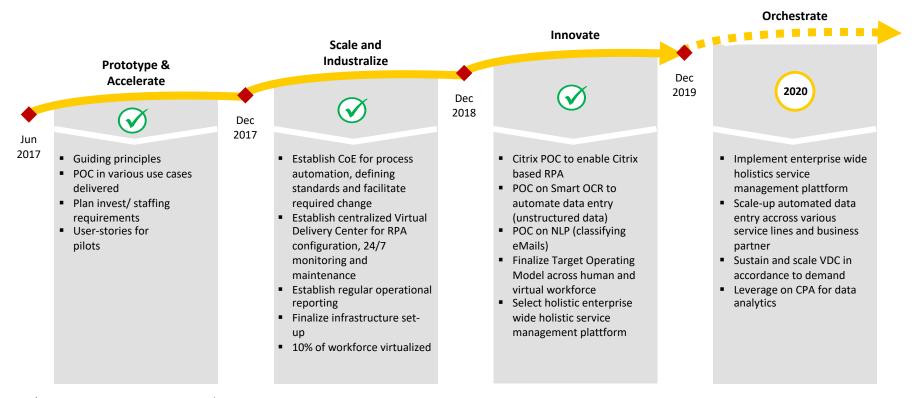


# VDC established an industrialized approach to deliver PA in scale; consistent KPI definitions and strong target setting supports utilization

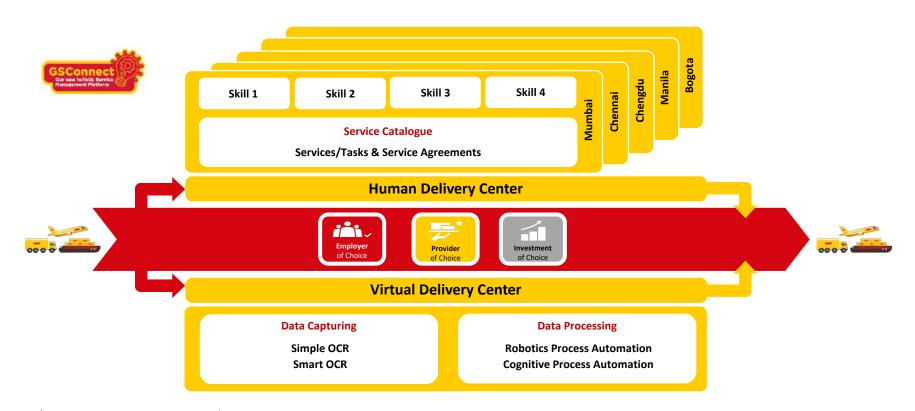


- Select the right process as per the pre-qualification template
- SOP should clearly outline all steps including the exception scenarios @ key stroke level
- Focus on core steps to be automated, instead of 100% automation
- Agile methodology focus on smaller releases and frequent feedback from users
- Plan for access management before start of the configuration
- Expect changes during development and accommodate changes
- Don't Deploy and forget Robots needs maintenance after deployment
- Automation can fail after deployment and requires continuous monitoring
- Plan for product upgrades to leverage the new features

## Process Automation at scale through centralized virtual delivery center augmenting human service delivery



# Holistic service management plattform to achieve operational effectiveness across the augmented workforce



### Food for thought ...

How can you differentiate yourself in the era of artificial intelligence, big data and robots

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We used to work with our hands for many centuries; then we worked wit our heads, and now we're going to have to work with our hearts, because there's one thing machines cannot, do not, and never will have, and that's a heart."

Thomas Friedman

Stay human ...

# Happy to take your questions!

### **THANK YOU**