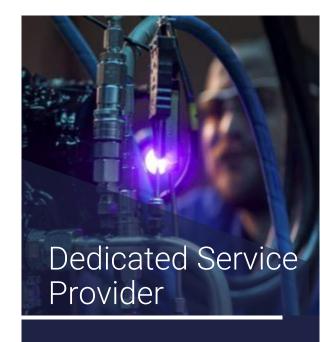




## We keep aircraft where they belong – in the sky



With our preferred partnership with several system OEM's, we have access to authentic parts and IP-data to offer the best solution.



We design, develop and maintain aircraft (TCH). Our holistic viewpoint and innovative mindset allows us to take on any challenge.



We were there when aviation started and have been a reliable partner ever since.



## Aftermarket integrator with a complete service offering and global reach

<b>€220</b> m	80%   20%
Business FY2019	Commercial   Defense
5	900
Sites	Employees
>25	>1000
Aircraft Programs	Customers





## Unique independent competence for comprehensive single source solutions

















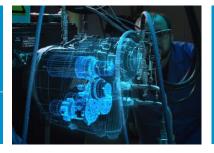




Airframe Services



**Modifications & Airworthiness Services** 



**Material Services** 



Aircraft Completion & **Conversion Services** 



**Component Services** 





















## Unique independent competence for comprehensive single source solutions













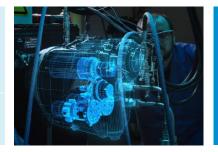












**Material Services** 





**Component Services** 





















## Diversified global customer base with long-term relationships

Servicing many customer groups understanding and prioritizing their different customer needs

















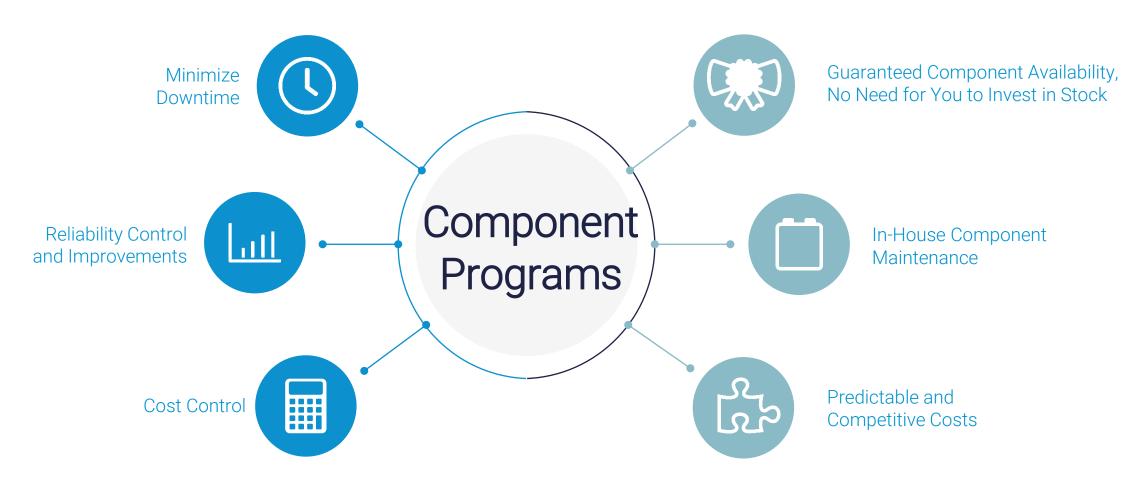














## **Material Services**



## **Rotable Trading**

Procuring the right part at the right time for the right price

- » Stock pooling and strategic purchasing: high availability
- » Forward exchanges with repair capabilities: flexibility and cost effectiveness
- » Reliable and traceable: high-quality and longer time on-wing



### Single Source Standard Parts

A one-stop shop with excellent OTD performance

- » Tailor-made scope: takeover and management of current stock
- » No MOQ'S, price breaks, or standard packs: order only what you need
- » Advanced forecasting and two bin replenishment: quaranteed availability



### Distributor

Providing a broad product range from many OEMs

- » Customer portal: Realtime tracking and availability
- » Global warehousing and 24/7 AOG support: reduced lead times
- » Volume rebate agreements: operating cost reduction





Integrated Program on Standard Parts











## **Integrated Program Standard Parts**

Vendor-managed inventory (VMI) is a logistic model in which the buyer of standard parts provides certain information to a supplier (Fokker Services) and the supplier takes full responsibility for maintaining an agreed inventory of the material at the buyer's consumption location.





# **Why Standard Parts?**

- > Standard Parts refer to Bolts, Nuts, Fasteners and Seals
- » Standard Parts are widely available in the market
- » Generally Standard Parts account for 1% of cost, and 30% of volume
- » Applying VMI will free-up capacity and unburden the supply chain
- » Fokker Services is specialized in providing a One-Stop-Shop for all Standard Parts





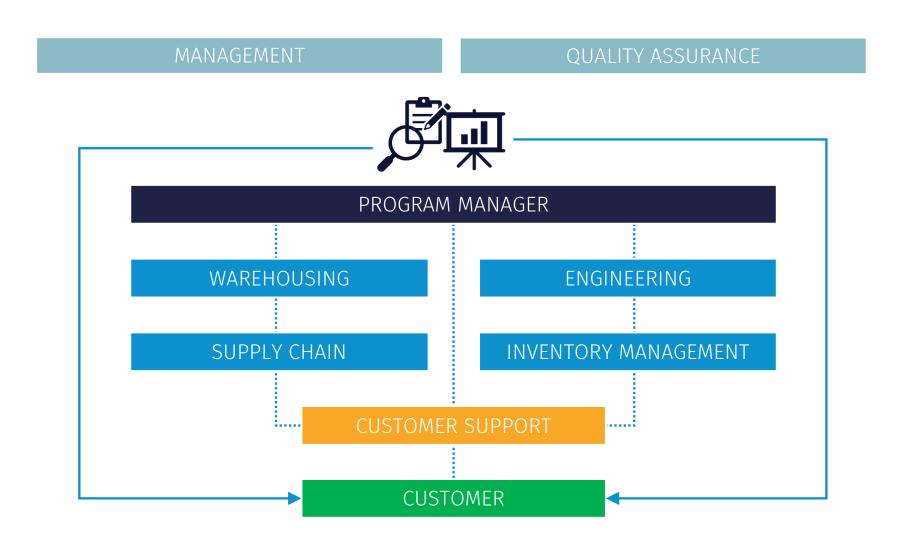








## Holistic approach towards operational control of spare parts





## Understand and control business dynamics to optimize inventory

# Inventory level Understand the Demand behavior Fleet info Scope •Consumption rate Maintenance Program Establish a Process control: Forecasting · Vendor Management ·Logistic management ·Case management



"The goal of forecasting is not to predict the future but to tell you what you need to know to take meaningful action in the present"

**Paul Saffo** 



# Spares analytics as driver for actionable insights





## Active cooperation between NL science community and industry





# Having the right product, right quantity, right time, right place

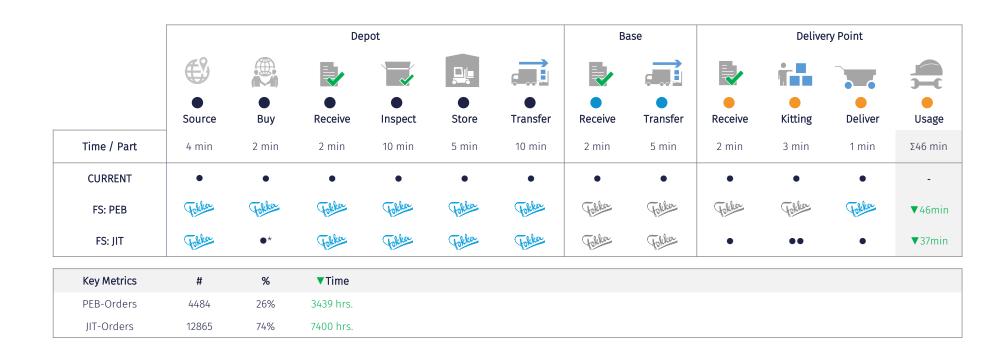
# Total # of Standard Parts

Source/Storage location			inj <sub>e</sub> j	III jaj
ADI		Market	Depot	DP
Smooth (0-6 Months)	# PNR			
	# Orderlines			
Erratic (0-6 Months)	# PNR			
	# Orderlines			
Intermittent (6-12 Months)	# PNR			
	# Orderlines			
<b>Lumpy</b> (12-24	# PNR			
Months)	# Orderlines			
Service Level →		OTD vs CDD	OTD vs CDD	Availability
Replenishment Cycle →		30 – 180 Days	XX Hrs	XX Hrs
Delivery Performance →		90 – 95 %		≥ 98 %

- » Total number of unique parts
- » Total number of Standard Parts
- » Total of order lines
- » Total of Standard Parts order lines
- » Standard Parts volume share %



## Impact of stock optimization for RNLAF













# What is looks like in day-to-day operation

## **Fast Movers**

KanBan Replenishment Solution for Fast Movers



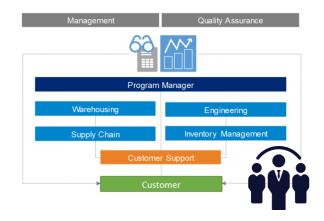
## **Slow Movers**

On demand and
Just-In-Time delivery
Solution for Slow/Non-Movers



## Program Management

Unburden your supply chain





## Management of fast-moving parts at the point of use



- » TwinBins will be placed at the point-of-use
- » The engineer will take the parts he requires from the Lower-bin
- When Empty, the Engineer will pull the slide and safety stock drops
- » The flagged bins can easily be scanned by means of the dedicated scanner
- » After scanning the App automatically generates an order to Fokker
- » This allows FS to send a replenishment order without interrupting operations
- » Replenishment order will come in pre-packed QTY
- » Staff can top-up the Upper-bin and process will repeat







Thank you!