



Agenda

01 Lido Domain

03 Trip into Agility

02 Origin





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Facts & figures - Flight & Navigation Solutions

Each year, around

570_{Mio.} 444

passengers fly on planes based on navigation charts from **Lufthansa Systems**

dedicated to providing outstanding Flight & Navigation solutions

Between

250k-350k
NOTAM processed every month



Products and services designed for

commercial operators



Market leader

in Europe and the Middle East for commercial flight planning systems



120 airlines

are currently using our flight planning solution



Lido/Flight 4D saves an average of

1.6-2.0% per flight

in fuel cost, ATC charges and time cost



More than

60

training sessions

with available space for over 500 trainees per year

2,700



configuration parameters to customize

Lido/Flight 4D to your needs, policies and regulatory requirements

6,800

aircraft are operated with Lido/Flight 4D



Customer References - Lido Flight Planning Solutions









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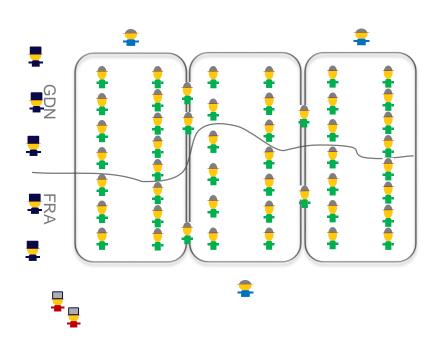




Lido Flight Legacy Team Structure

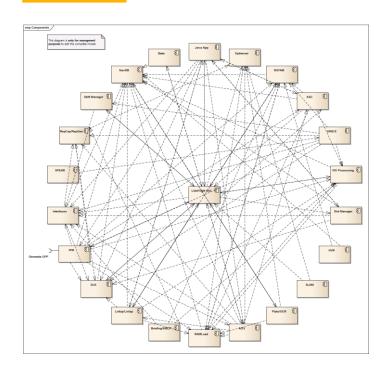


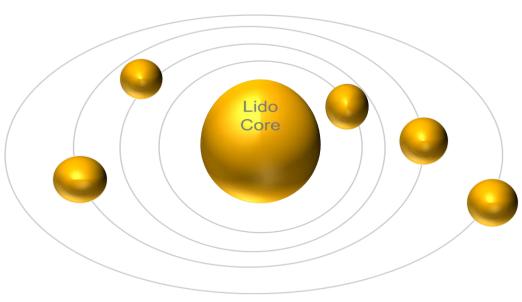
Virtual Teams with Traditional Capacity Planning across two locations having a Team Lead in GDN and FRA





Lido Flight Data centric Monolith Architecture Dependency Model & Solar System view





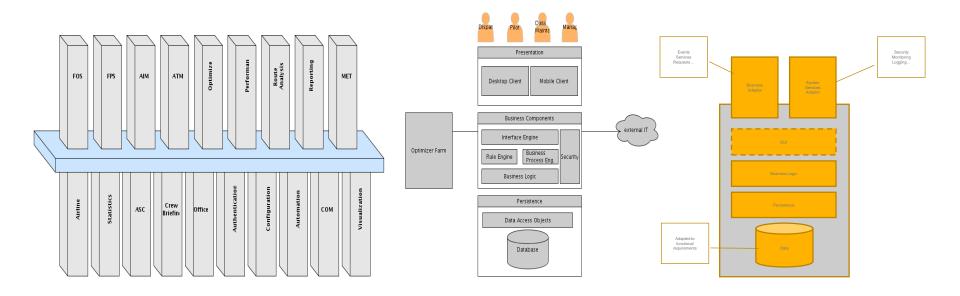
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01 Lido Domain

O3 Trip into Agility

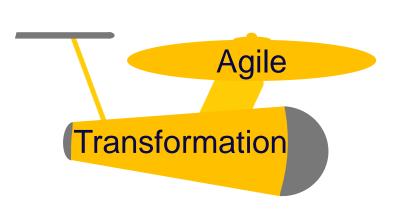
02 Origin

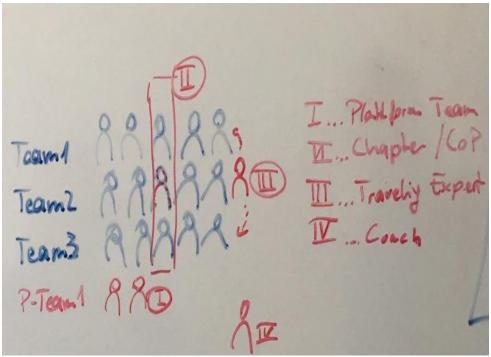
Lido Flight 4D new Domain Model and Architecture Principles



12

Design the new Organization

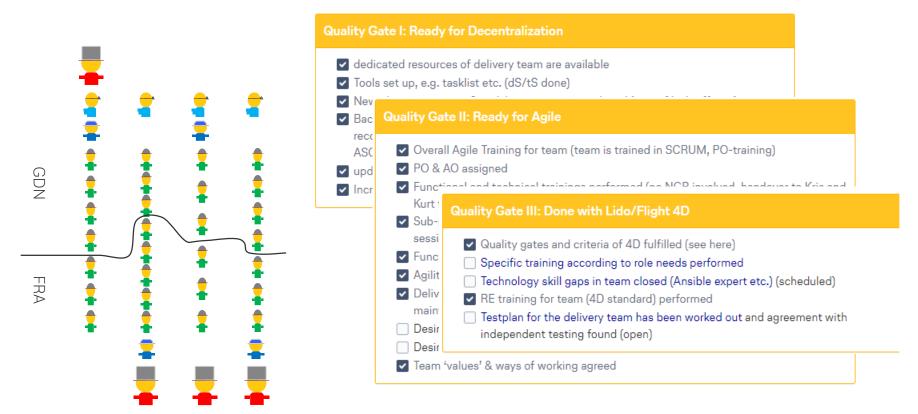




Lido Flight Legacy Team Structure



Agile Teams with new Roles





We have defined Principles and Values to foster the new behavior



ENABLE PRODUCT TEAMS TO TAKE FULL RESPONSIBILITY - decentralization as much as possible



COST EFFICIENCY - Collect metrics to allow decisions cost vs. value.



ELIMINATE ACCIDENTAL COMPLEXITY - Strive to keep it simple. Focus on essential complexity. You build one, you delete one.



YOU BUILT IT, YOU RUN IT - The team is responsible for shaping, building, running and maintaining its products. Fast feedback from live and customers helps us to continuously improve.



COLLABORATION CULTURE - Engineers from all backgrounds work together in collaborative teams and share responsibilities. No silos.



INFRASTRUCTURE AS CODE - Automate everything: Reproducible, traceable, tested and monitored.



MACRO AND MICRO ARCHITECTURE -Clear separation. Autonomous products within the rules and constraints of the macro architecture of the suite.



KNOWLEDGE-BUDDIES - Always more than one person that knows how things work

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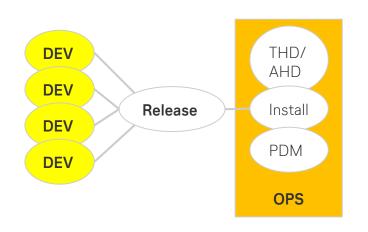
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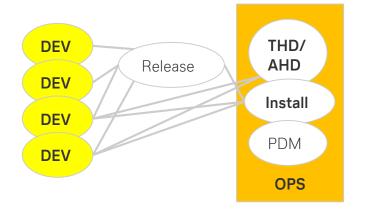
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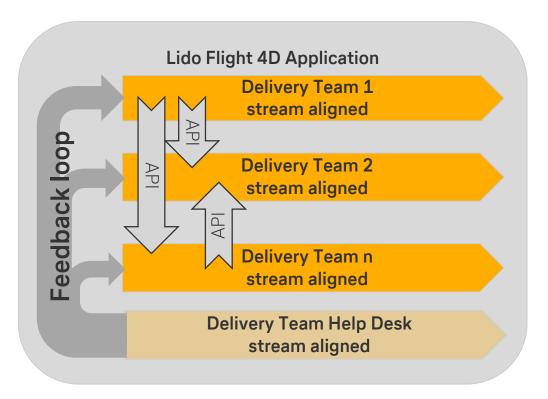
Shift left and value stream done wrong!





		Version Release					
Phase	Coding	Build	INT	SYS	D	ACC	
Duration		12 d	29 d	14 d	7 d	18 d	
SR duration		16 weeks (80 days)					
			Service Rele	ease (TT Deliv	/ery)		
Phase	Coding	Build	Service Rele	ease (TT Deliv	/ery)	ACC	D2C
Phase Duration	Coding 9 d	Build 5 d				ACC 9 d	D2C 1 d

Our delivery teams do not deliver individually Instead they fight with dependencies and coupling



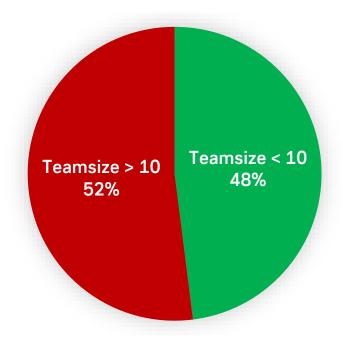


Dunbar? Ah! It has a number?





Dunbar's Number and how we ignore it



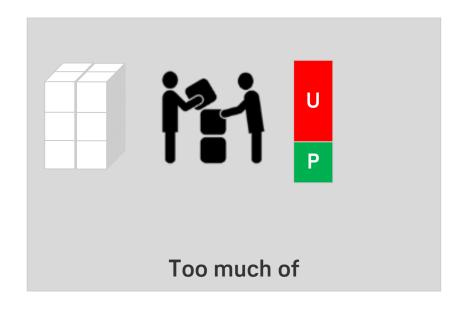


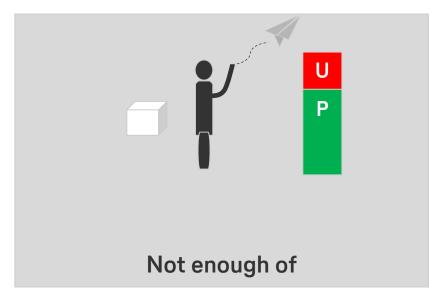
COLLABORATION CULTURE - Engineers from all backgrounds work together in collaborative teams and share responsibilities. No silos.



KNOWLEDGE-BUDDIES - Always more than one person that knows how things work

Bucket Size, Flow and visibility of Work





U = Unplaned work

P = Planed work



→ Contact

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