



lessons learned in aviation

@mateusprado

agenda

- why?
- bugs
- automation, metrics, availability
- common stuff

\$ whoami

- developer, architect, systems engineer
- founder CodeOps
- #TheNextBigFin
- distributed systems
- private pilot
- beer, bbq

HANGAR
RUBENS NICOLETTI
AERoclube DE BEBEDOURO









“Everything in the aviation is built in order to
avoid an accident.”

Bugs



Black Box

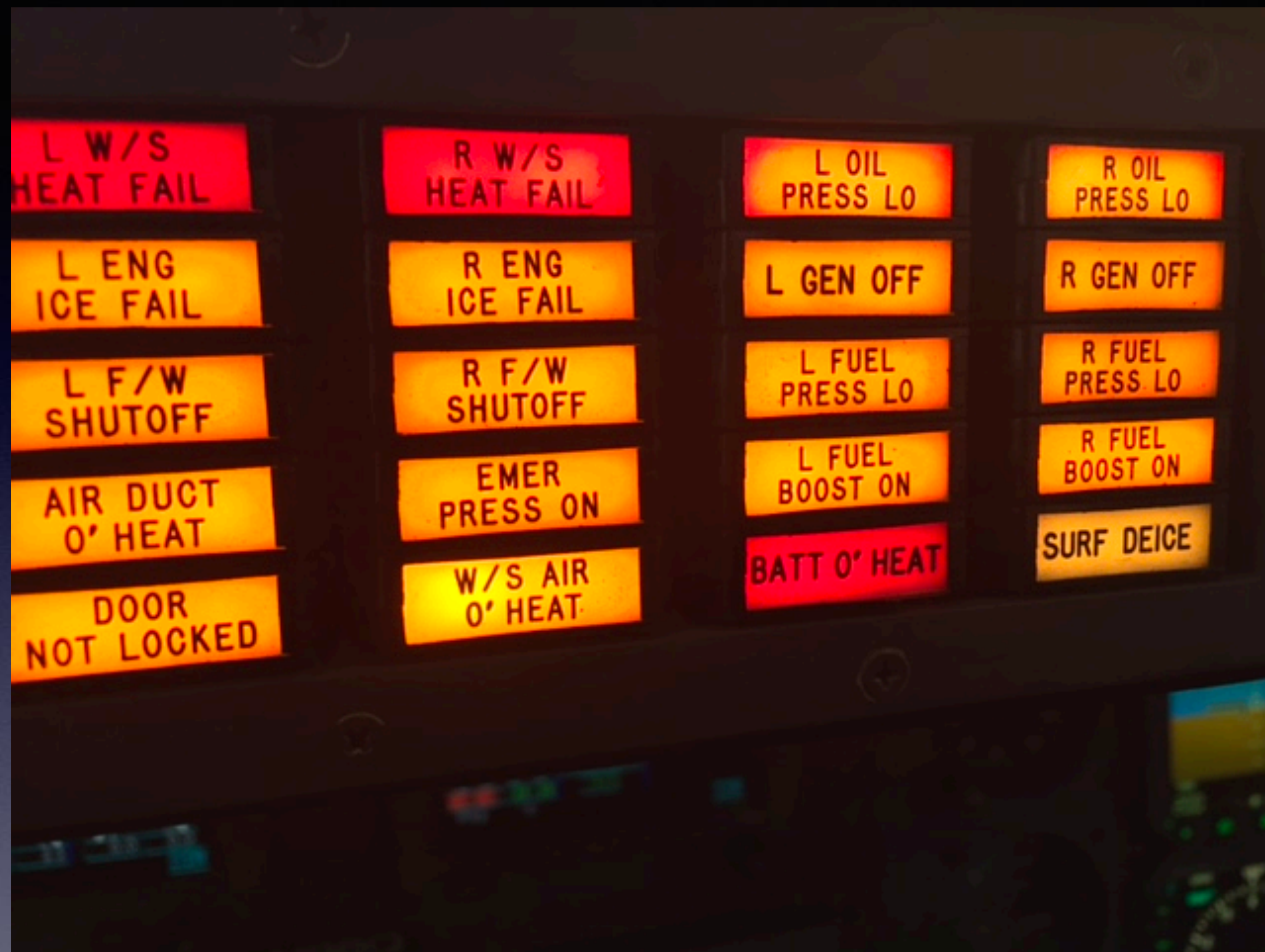
- records everything in the cockpit
- data analysed, reason for the accident





Aviation Orange

metrics





B.I.T.E
Built-in Test Equipment

automation

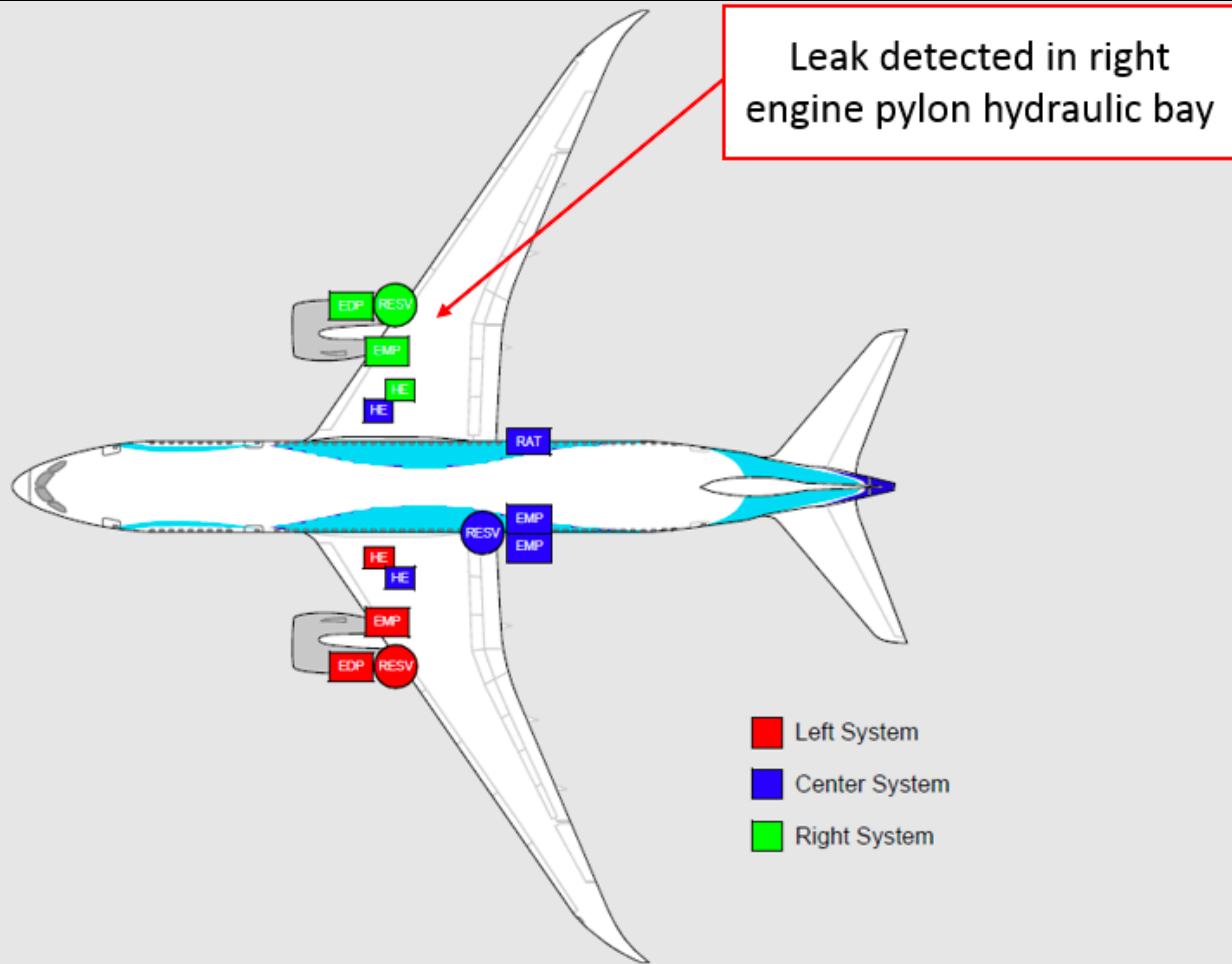


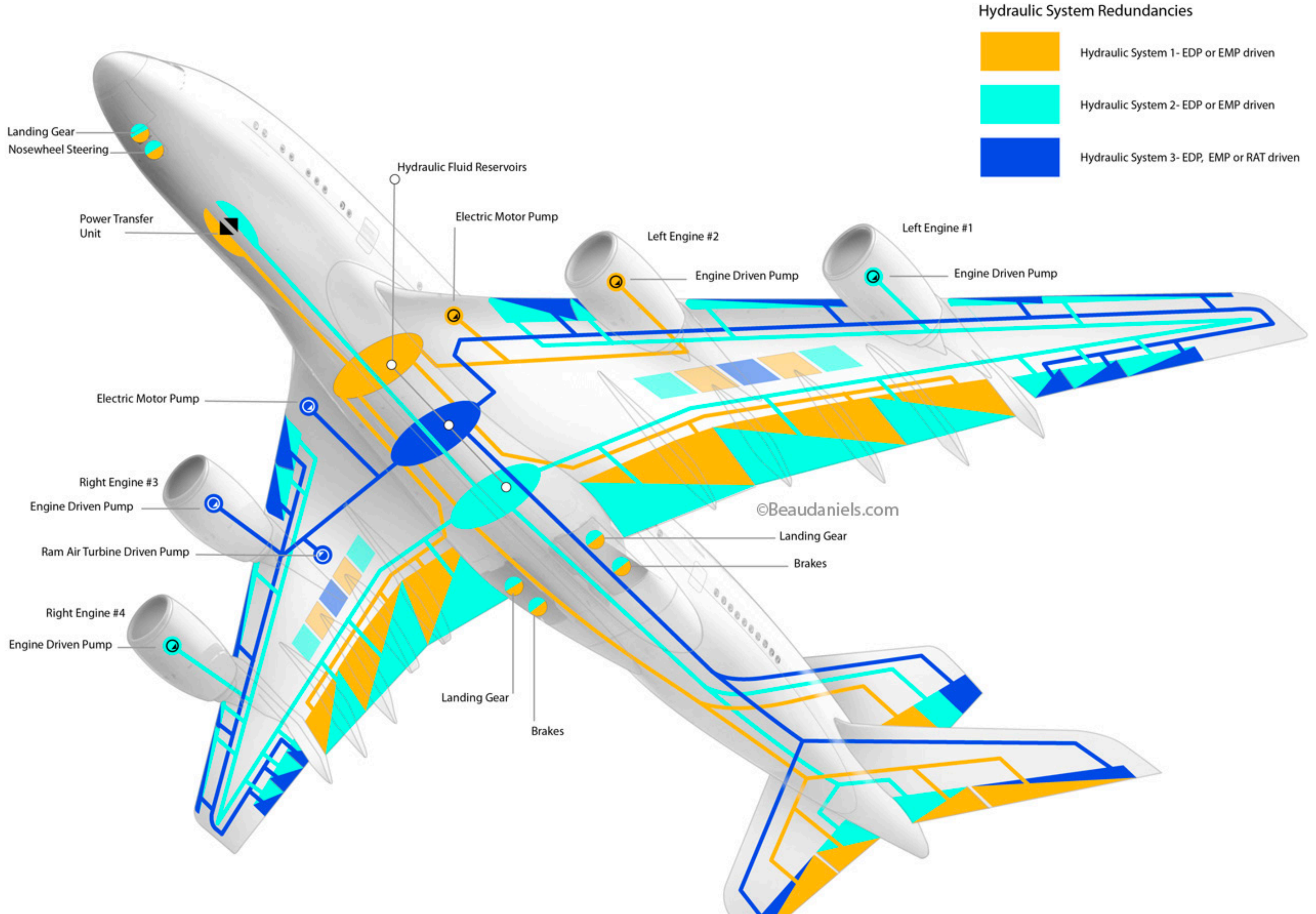
AF447
F-GZCP



Proficiency

availability







AWS IAM for appropriate Identities management



Amazon S3 for backups/ snapshots, keys storage



Amazon Glacier for data archival



AWS CloudTrail for API Audit Logging



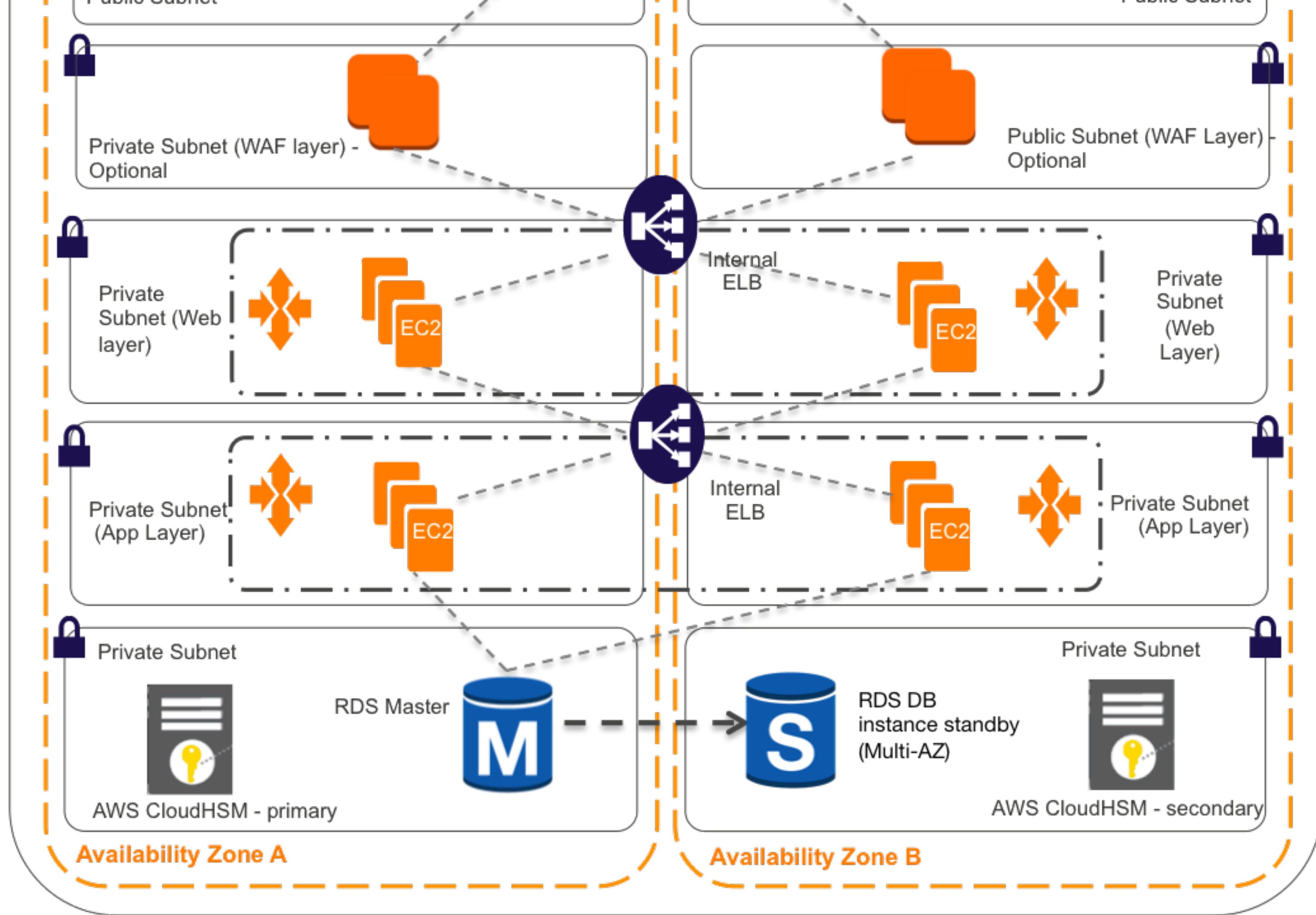
Amazon Redshift as a data warehouse



Amazon EMR for web/ application logs analysis



Amazon DynamoDB for NoSQL data/ meta-data



devops





Dev+Ops

common stuff





keep in mind

- do you have a blackbox?
- solve real problems
- measure everything
- do not wait for the next problem
- sense, no luck

- betingbooks.com.br
- flightradar24.com
- CENIPA
- Ozires Silva
- Gianfranco Beting
- mateus@mateusprado.com
- @mateusprado

