



EASA Part 145 and FAR 145 Perspective

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**Aviation
Safety & Sustainability
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Why My Flight Is Safe- EASA Part 145 and FAR 145 Perspective



ECAR 145 Approved Maintenance Organization.

EASA Part 145 Approved Maintenance Organization.

FAR 145 Certificated Repair Station.

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- **EASA Regulation Structure and Standardization,**
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- **EASA Part 145 and FAR 145 Organization,**
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Air Transport Industry Evolution



Aviation

Aerospace

Defense

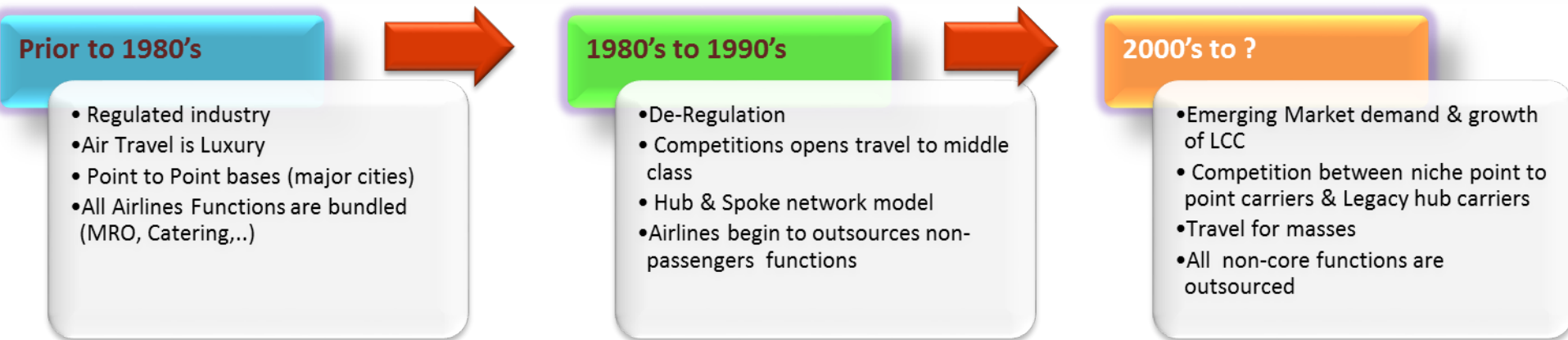
Technology

“Today s innovation is tomorrow 's old hat”
Space

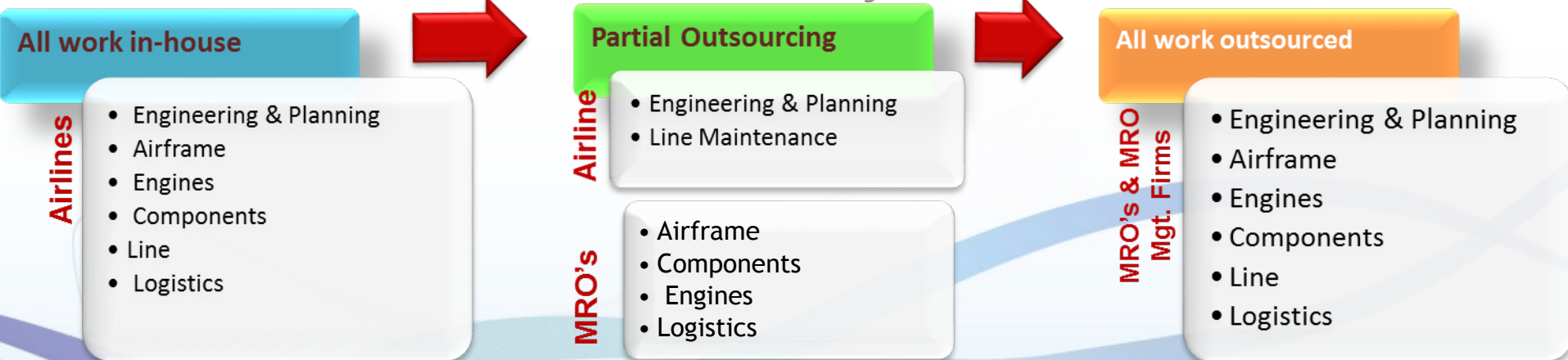


Economy

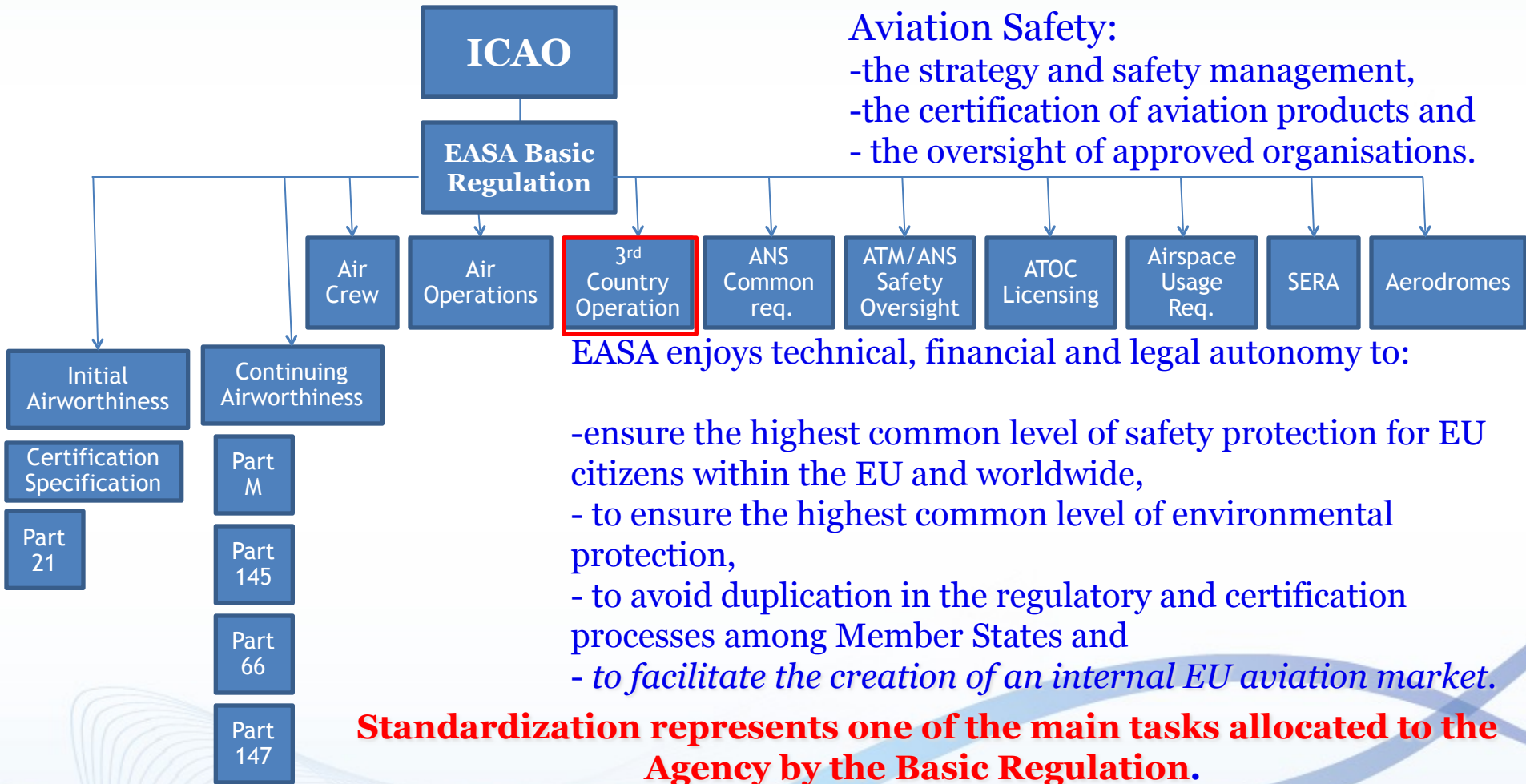
Airlines Model



MRO Industry

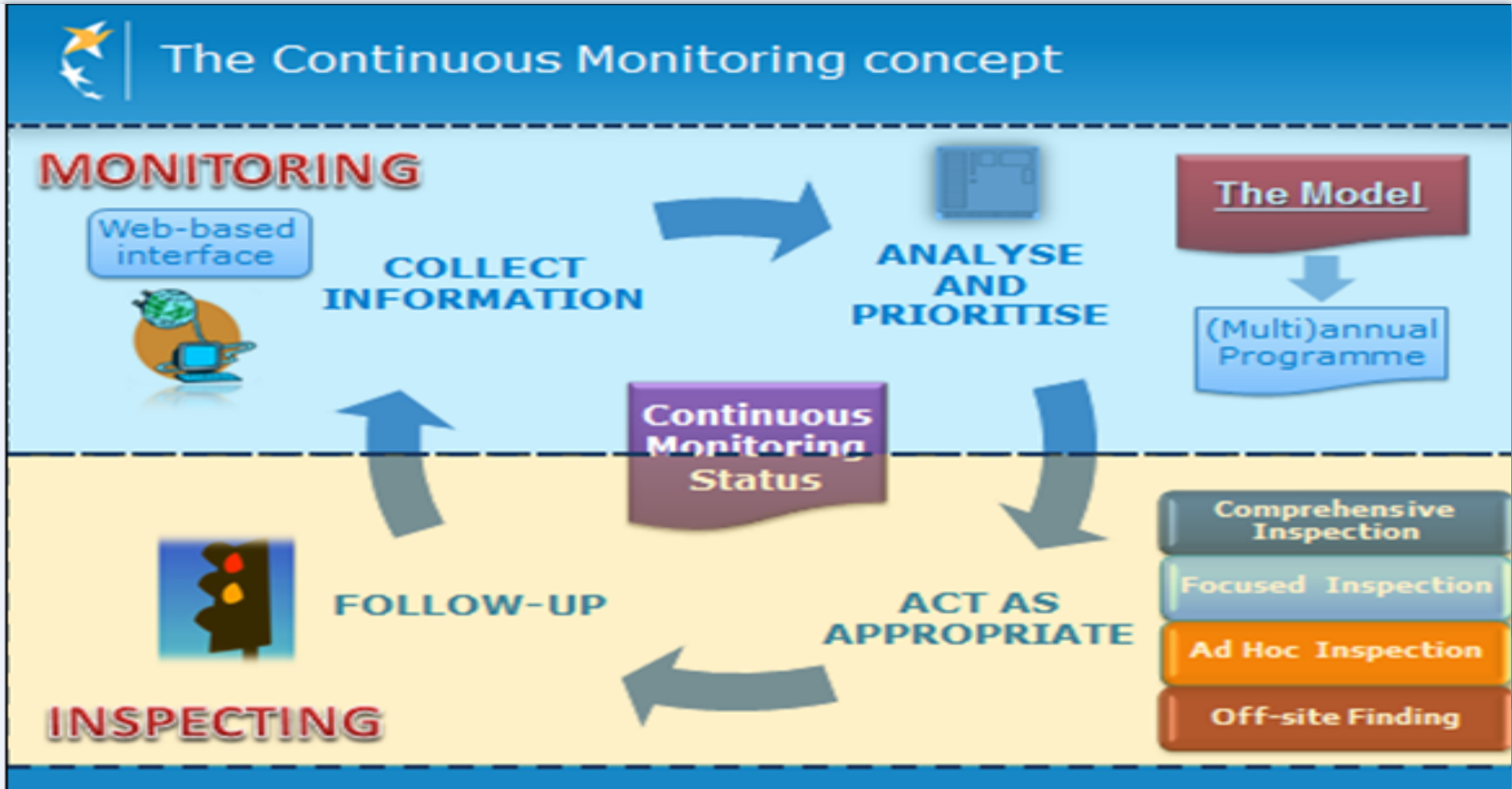


EASA Regulation Structure and Standardization :



Standardization Inspections- Pro-active Standardization- Regulatory feedback

The Continuous Monitoring:



EASA Part 145 and FAR 145 Organization

ICAO

EASA Basic Regulation

Code of Federal Regulation

**Title 14
Aeronautics and Space**

FAR

Chapter I

VOLUME I

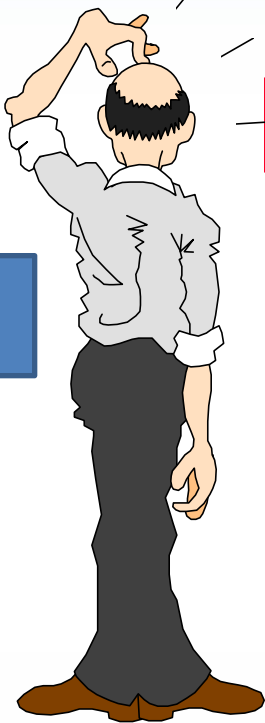
Parts 1 to 59

VOLUME II

Parts 60 to 139

VOLUME III

Parts 140 to 199



**Initial
Airworthiness**

**Continuing
Airworthiness**

**Certification
Specification**

Part M

Part 145

Part 66

Part 147

Part 21

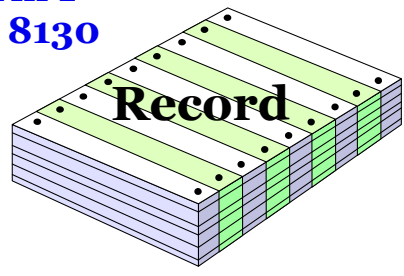
Requirements	EASA Part 145	FAR 145
Scope/ Applicability	Requirements to be met to qualify an organization to become an EASA Part 145 Approved Maintenance Organization (AMO).	How to obtain a FAR 145 repair Station Certificate and Rules a Certificated Repair station must follow related to its performance
Application	Made to EASA for organizations located outside EU.	Made to FAA and must show the necessity for maintaining a U.S. registered aircraft.
Safety and quality policy	Independent audits and a quality feedback reporting system must be demonstrated and reflected into a Maintenance Organization Exposition.	Establishment of a Quality Control System must be demonstrated and reflected into a Repair Station and Quality Control Manual and a Training Program Manual

Requirements	EASA Part 145	FAR 145
Personnel	<ul style="list-style-type: none"> - Accountable Manager has corporate authority for ensuring that all maintenance required by the customer can be financed and carried out to the standard required by this Part. - Person with responsibility for monitoring the quality system, including the associated feedback system 	<p>Accountable manager designated by the certificated repair station who is responsible for and has the authority over all repair station operations that are conducted under part 145, including ensuring,, that Repair station personnel follow the regulations and serving as the primary contact with FAA.</p>
Privileges:	<ul style="list-style-type: none"> - Maintain any aircraft registered in EU and/or component at its approved locations. - Arrange for maintenance at Another organization that is working under its quality system. 	<ul style="list-style-type: none"> - Perform maintenance on any article within the rating and limitations in its operations specifications. - Arrange for another person to perform maintenance for which the certificated repair station is rated.

Requirements	EASA Part 145	FAR 145
<p>Continued validity/ FAA inspections</p>	<p>-Remaining in compliance with Part-145 in accordance with the provisions related to the handling of findings ; and -Authority being granted access to the organization to determine continued compliance with this Part; and the certificate not being surrendered or revoked.</p>	<p>-Must allow the FAA to inspect that it at any time to determine compliance. -A certificated repair station may not contract a non certificated person unless it provides in its Contract that the FAA may make an inspection and observe the performance of the non certificated person's work on the article.</p>

Product and Product Features:

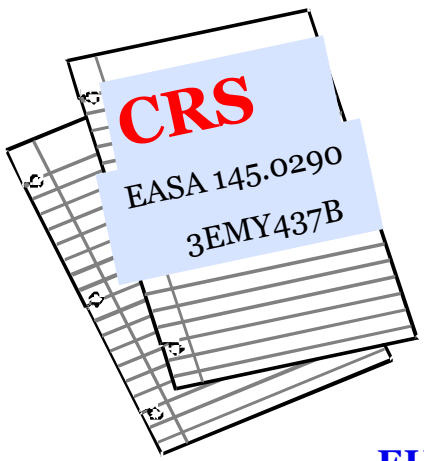
**EASA Form 1
 FAA Form 8130**



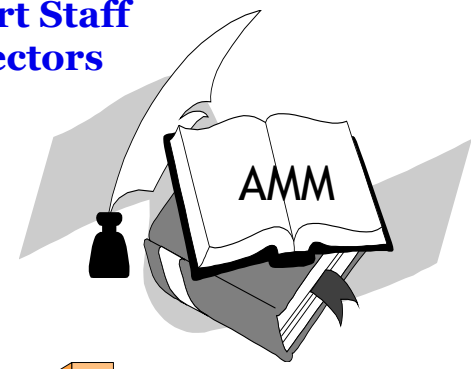
**Certifying Staff
 Release Inspector**



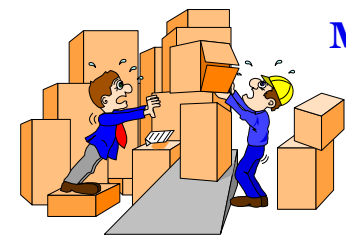
**Support Staff
 Inspectors**



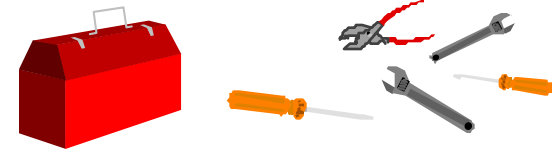
**EU-REG.
 US-REG.**



**Maintenance
 Data**

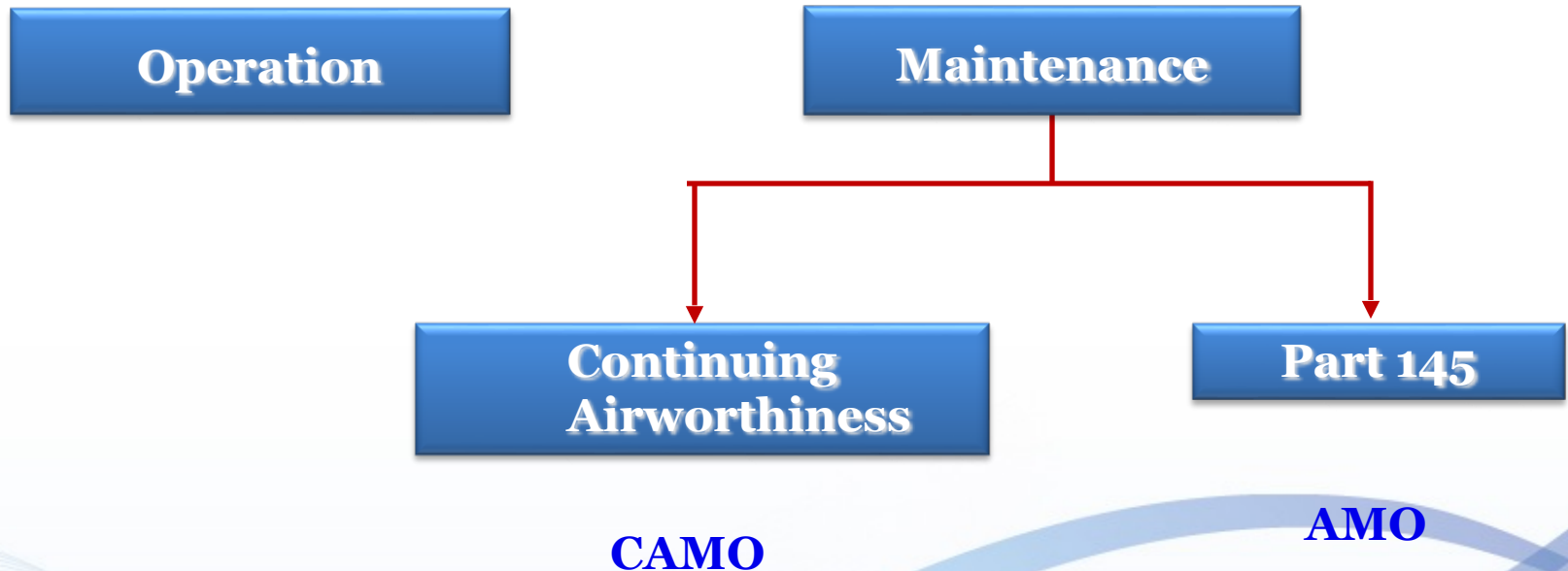


**Material
 Tools**

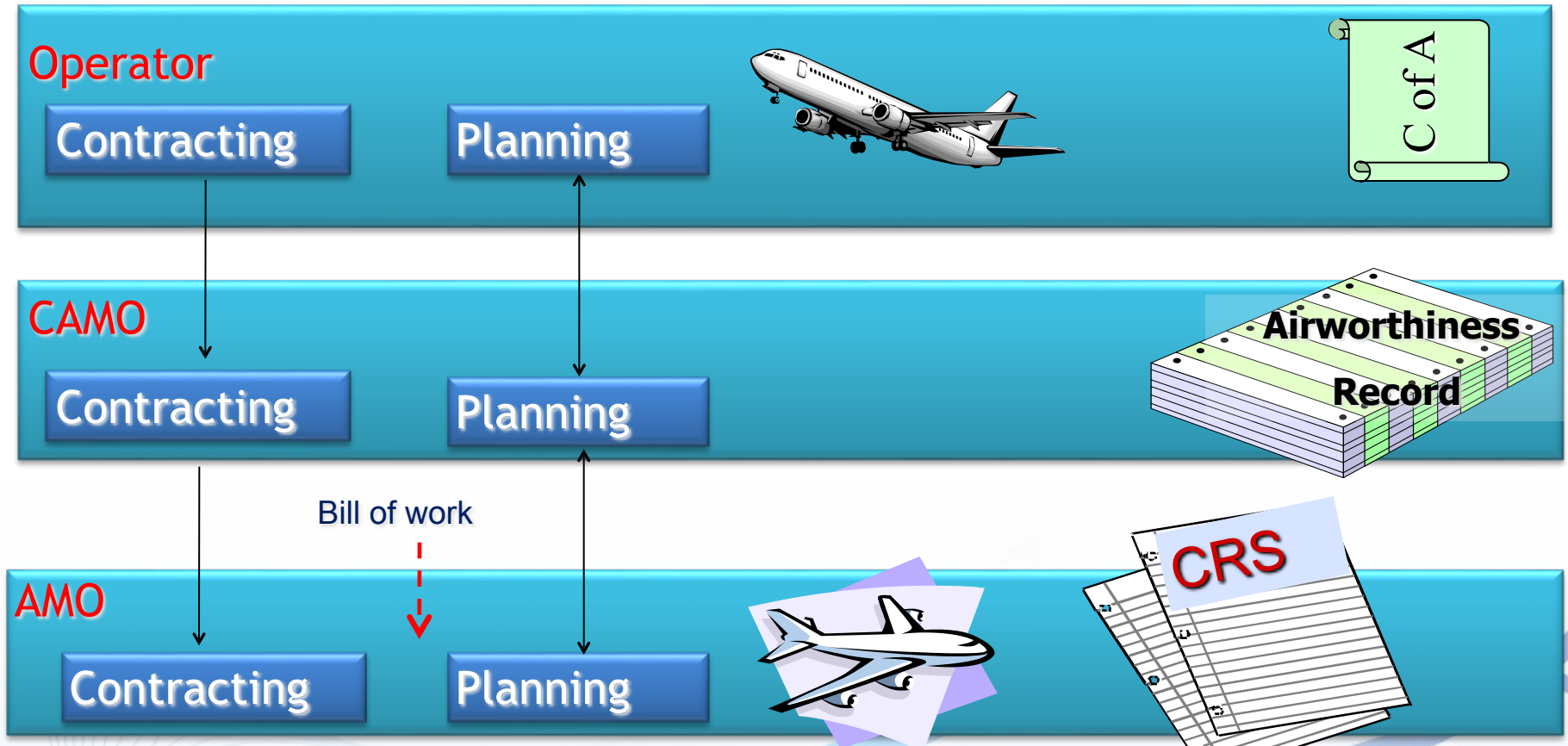


MRO Management:

Air Operator Certificate Holder

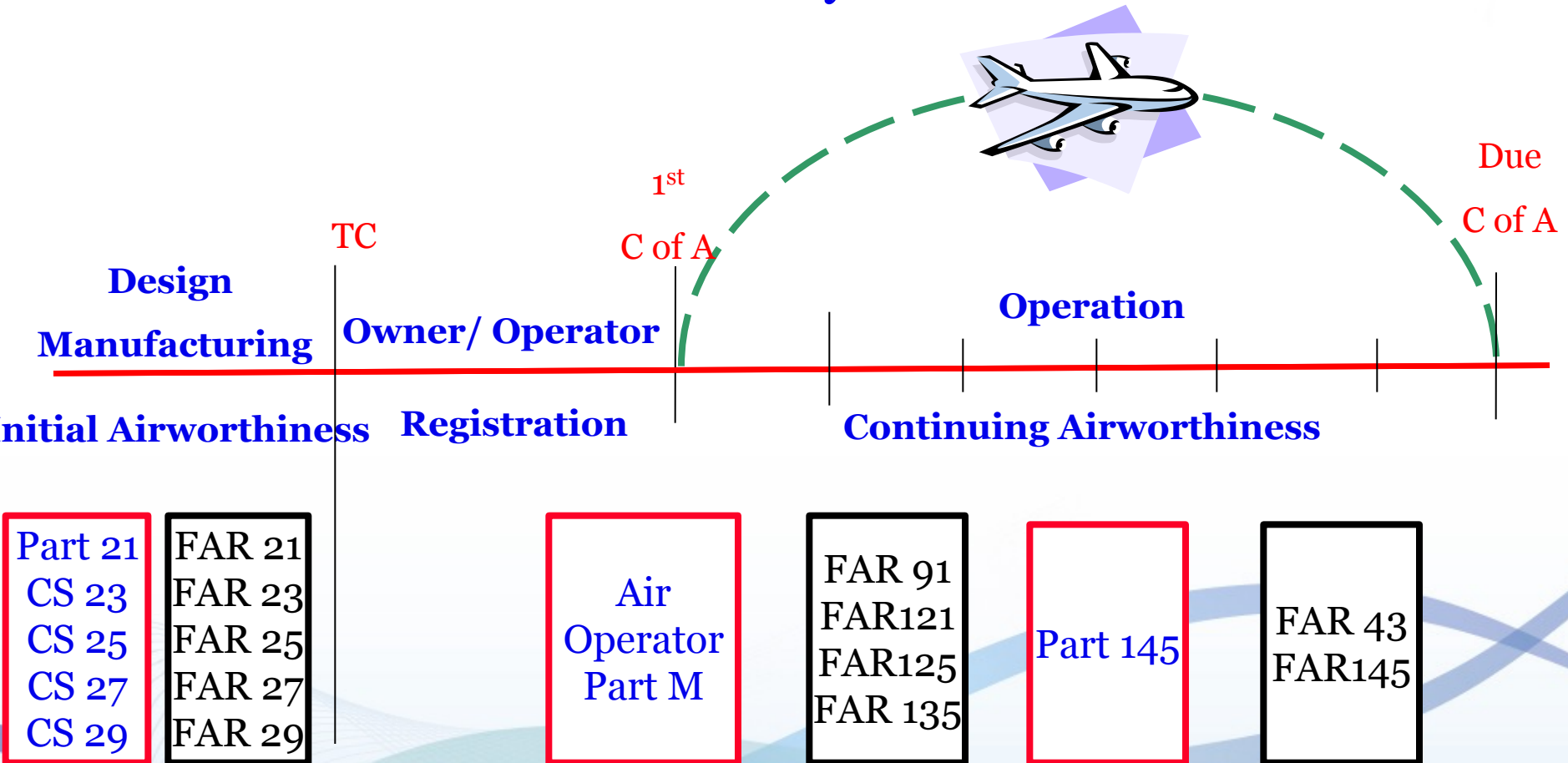


Planning for Maintenance:



Aircraft Certification:

The aircraft must fly “AIRWORTHY”





Why My Flight Is Safe

- 1- Every aircraft produced is certified by aviation safety authorities before it is allowed to fly,
- 2- Every operating aircraft is certified by AMO before they are allowed to fly
- 3- Because aviation safety is continuously monitored
- 4- Because safety rules are continuously reviewed and improved
- 5- Because the same aviation safety rules apply worldwide
- 6- Because safety benefits from international cooperation

Moving beyond Safety Compliance and Sustainability

Danger and Risk:

FAA
Sanctions

Engine run
test

Trent 1000
Blade off

- Courage to admit mistakes,
 - Confidence,
 - Transparency.

- Knowledge to correct mistakes,
 - Information,
 - Education.

- Cash flow to implement corrective and preventive action plans,
 - Economics,
 - Finance.

Compromization & Satisfaction:

-Market- Industry- Society ---

Demand

-Governing & Regulatory Bodies ---

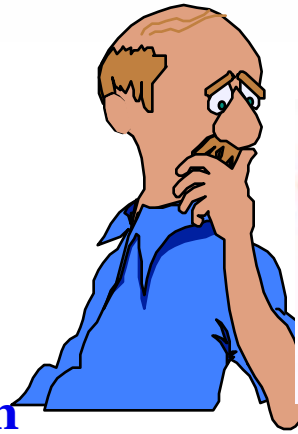
Needs- Regulation- Evolution

-Average Organizations ---

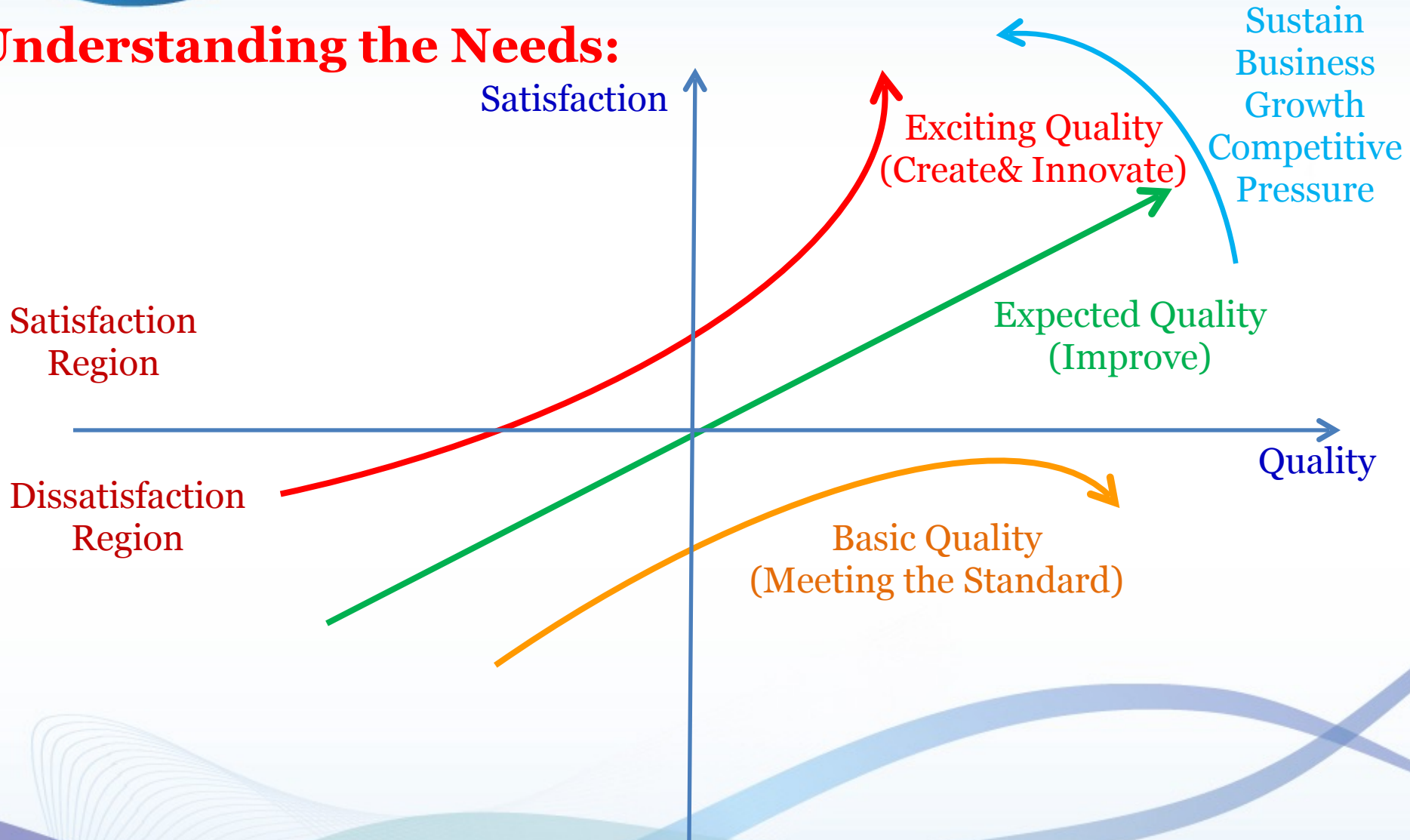
Educate- Train- Comply

-Best In Class ---

Comply- Improve- Innovate



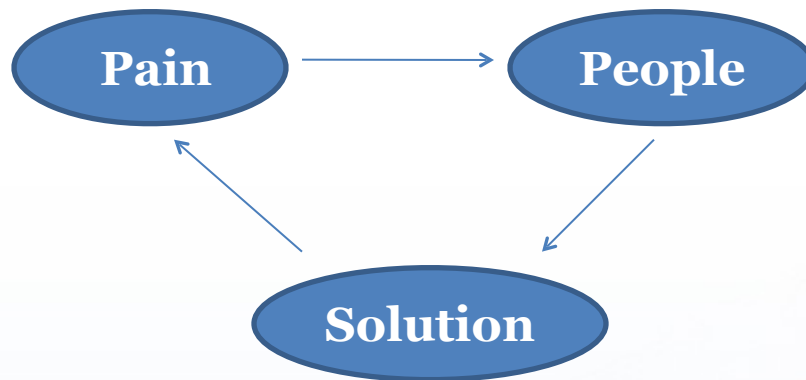
Understanding the Needs:



Performance and Behavior:

“How can we make the customer more competitive? What is critical to the customer's success?. Learning to answering this question and learning how to provide the solution is the only focus we need”.

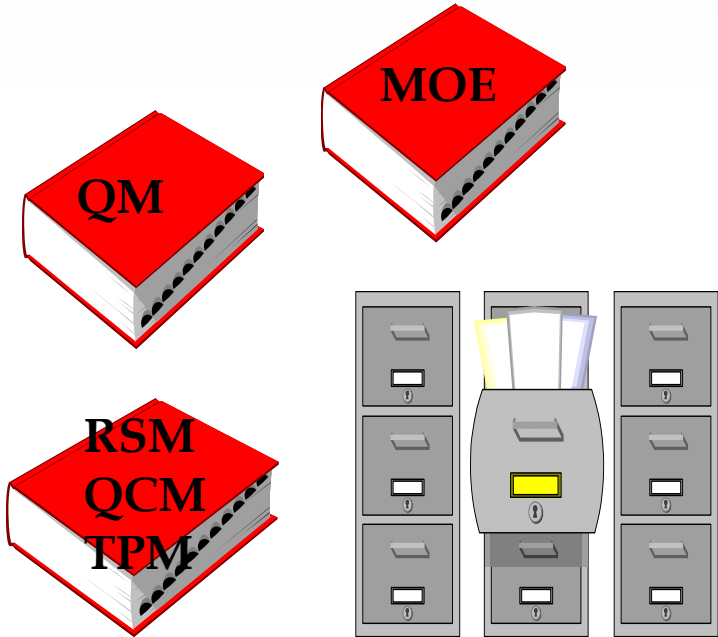
Jack Welch, CEO, GE



How the organization behavior and performance will enable its people to provide the solution to make the customer more competitive

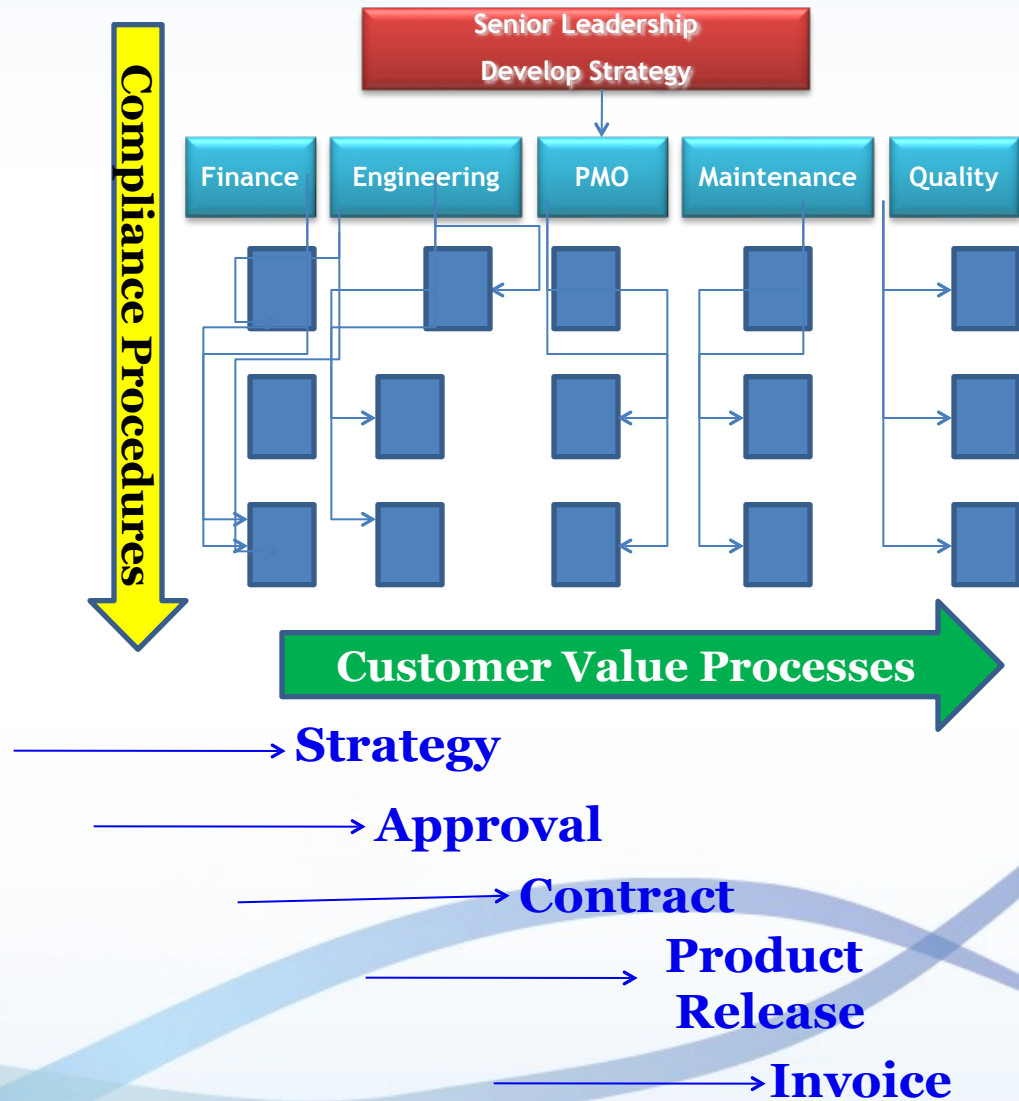
What makes a customer come and pay money for us!!

The Challenge:



Process:
Flexible and Consistent

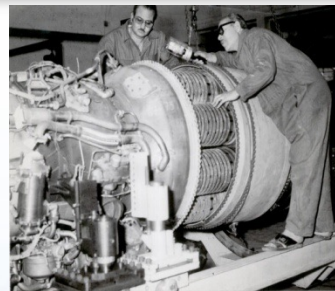
Product:
Complying, Safe and Durable



The Challenge:



**People
Since
1932**



<ul style="list-style-type: none"> -Willing. - Capable. 	<ul style="list-style-type: none"> • Willing. • Not capable.
<ul style="list-style-type: none"> • Not Willing. • Capable. 	<ul style="list-style-type: none"> • Not willing. • Not capable.

Competences- Education & Training.
Discipline- Behavior, Attitude & Commitment.

Thank You



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