



**A Global Support Concept,
opportunities and challenges**

CHC Helicopter Corporation is the worlds largest provider of helicopter services



**Offshore operations
69% of CHC total revenue**

**The rest is Search And Rescue, R&O,
Logistic support**



A Global Support Concept

Canadian Helicopter Corporation

**255 aircraft
4000 employees
35 countries**

Heli-One

**Canada
Norway
UK
Holland
(USA)**

**CHC &
3. Party,
25000 flt hrs.**

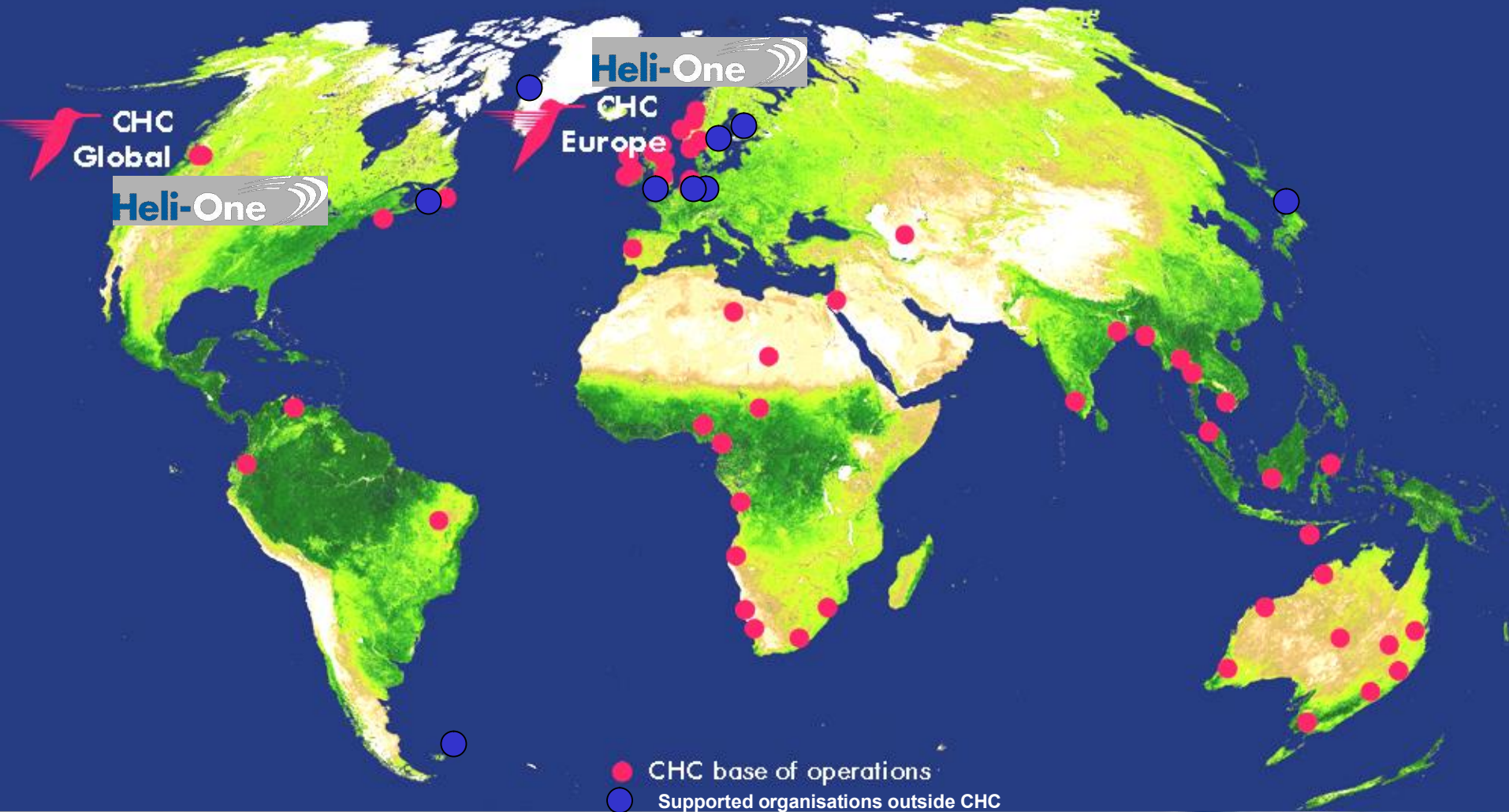
**European
Operations**

**Norway
UK
Ireland
Denmark
Holland
90000 flt. Hrs.**

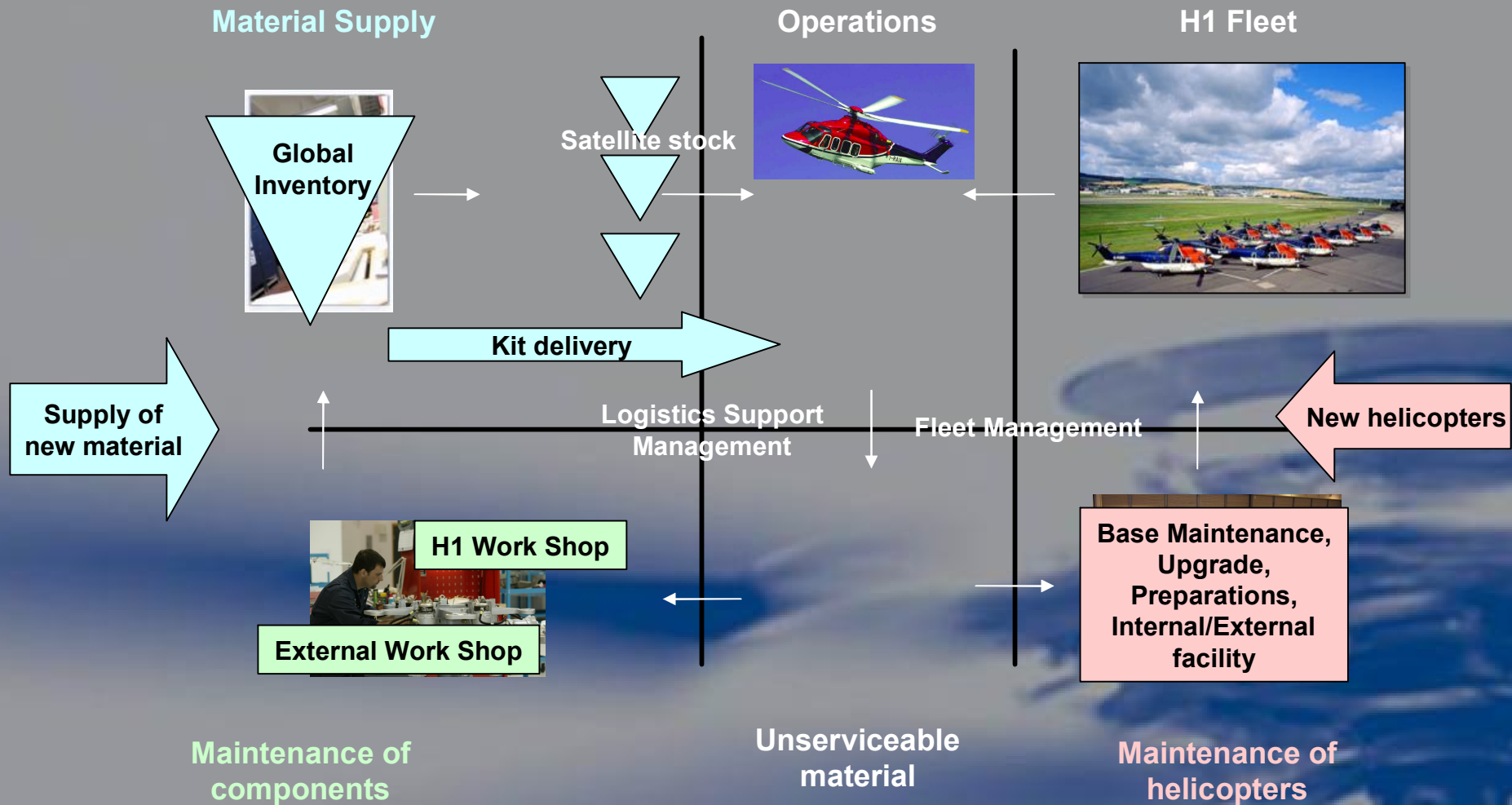
**Global
Operations**

**Canada
Brazil
Australia
Africa
Far East
Middle East
60000 flt.hrs.**

A Global Support Concept



A Global Support Concept



Opportunities

Agreements between European Authorities, JAA, has contributed to the forming of the concept. Recognised Approvals.

Further development when EASA was established

International agreements & arrangements gives new opportunities

The market continue to grow

The challenging environment:



FAA
EASA
TCCA
Others

EASA
TCCA

FAA
EASA
TCCA
Others

Sub-Contractors

**TC Holders,
Design Organisations**

Data

Sub-Contractors

**Aviation
Manufacturers**
Products, parts and appliances

C of A,
F1 or Eq.

Suppliers

Sub-Contractors

Manufacturers
Standard material, raw material,
Industry/commercial material

C of C,
(F1 or Eq.)

Sub-Contractors

Maintenance
All material

F1 or Eq.

Contract

Heli-One
Support Concept

Operator 1

AOC

CAME

How activities are
Contracted....

MOE

Procedures for
any activity
performed at location....

Operator 2

AOC

CAME

How activities are
Contracted....

MOE

Procedures for
any activity
performed at location....

Operator X ...

FAA
EASA
TCCA
Others

Sub-Contractors

**TC Holders,
Design Organisations**

Data.

Sub-Contractors

**Aviation
Manufacturers**
Products, parts and appliances

C of A,
F1 or Eq.

Sub-Contractors

Manufacturers
Standard material, raw material,
Industry/commercial material

C of C,
(F1 or Eq.)

Sub-Contractors

Maintenance
All material

F1 or Eq.

Suppliers

Requirements for certification:

**EASA Part M Sub part E:
M.A.501
AMC M.A.501**

**EASA Part 145:
Part 145.A.42
AMC 145.A.42
Part 145 Appendix I EASA Form 1**

**EASA Part 21 Sub part K:
Part 21A.303
GM No. 1 to 21A.303(c)
GM No. 2 to 21A.303(c)
Part 21 Appendix I EASA Form 1**

**FAA Order 8130.21D
AC21-29B**

**TCCA Airworthiness Notice – A014,
Ed. 2 19.Dec. 2006**

Challenge no. 1

People

- Skill

- Training

- Experience

- Attitude

- Number

Human Factors



An example

Release of Maintenance, Europe - Canada:

**EASA Form 1 from Part 145 approved EASA member state
Maintenance Organisations, accepted by TCCA**

**TCCA Form 24-0078 from EASA Part 145 approved
Canadian Maintenance Organisations**

**FAA Form 8130-3 from EASA Part 145 approved
US Maintenance Organisation**

**TCCA Form 24-0078 from foreign TCCA
Approved Maintenance Organisations**

**FAA Form 8130-3 from FAA Part 145 approved
US Maintenance Organisations**

Another example:



The Turbomeca Arriel engine is widely used in helicopters supported by Heli-One World wide.

3 possible facilities for Overhaul:

- Turbomeca France: EASA, TCCA, FAA
- Turbomeca Australia: CASA, EASA
- Turbomeca USA: FAA, EASA

A significant challenge for engine management

Questions:

Authorities:

- How can we obtain Standardisation between Authorities?
- Can we expect equal Supervision of organisations?
- International harmonisation?

Organisations:

- Where should we address our concern?



Thank you for listening!

