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Coulson Group is a **Safety First** company consisting of 5 separate divisions founded in 1960 with a current employee base of over 250 employees.

**Coulson Forest Products** 

 Manage an annual harvest of approx 50 million board feet of timber in British Columbia, Canada

**Coulson Manufacturing** 

Manufacturing of approx 45 million board feet of western red cedar lumber marketed world wide

**Coulson Millworks** 

– Drying and remanufacturing of specialty western red cedar products

Coulson RimRock

- Owns and operates a Casino in partnership with 57 local charities

Coulson Aircrane

- Multi Purpose fleet





- 1 Sikorsky S76B
  - Command and Control Aircraft
- 1 JRM-3 Martin Mars
  - 7,200 USG Capacity



- 5 Sikorsky S61N's
  - Multi Purpose
  - 1,000 USG Capacity
  - 18 Passengers / Rappel & Hoist Capable



- 1 Lockheed C-130Q
  - 3,500 USG Capacity
  - Multi Purpose
  - USFS Next Gen Air Tanker



- Coulson purchased Lockheed C-130Q SN 4901 in 2011
  - 12,000 Hours Total Time
  - 2,200 Cycles
  - Operated in the US TACAMO Program until 2000
  - NASA Operated from 2001-2005
  - Retired from Active Duty in 2006







- Conversion
  - Full Depot Level PDM
  - 35,000 Man Hours

#### - Full USFS Structural Integrity Program (SIP)





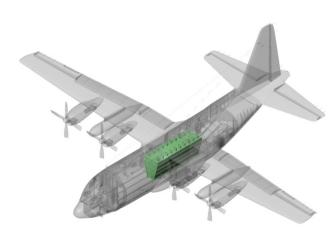


- Conversion
  - FAA Certified Coulson 3,500 USG Retardant Aerial Delivery System (RADS) -XL Tank Installation
  - FAA Issued Coulson Type Certificate





- Coulson RADS-XL 3,500 USG Tank System
  - The Only FAA Approved Commercial Certified C-130 Tanking System in the World
  - Weight = 2,000 Lbs









- Coulson RADS-XL Lower Tank Install
  - Lower Tank Remains Installed in the Airplane
  - Weight = 300 Lbs







- Coulson RADS-XL Tank System Finished Install
  - Installation or Removal in Less Than 30 Minutes
  - When Installation is Complete there are No Aircraft Restrictions
    - No Gross Weight Reduction
    - Remain Pressurized
    - Multi Use Aircraft









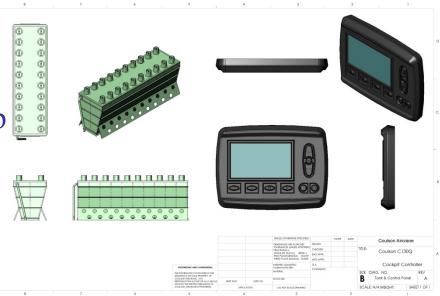
- Coulson RADS-XL Flow Checks
  - Flows at 1,600 USG
  - Emergency
    Dump in 2.1
    Seconds
  - Coverage Level
    Selections from
    1-8







- Coulson RADS-XL Technology
  - New State of the Art Next Gen Tank Controller
  - Touch Screen
  - GPS Based Drop Start/Stop
    - Flight Crew can Focus Outside the Aircraft
    - Tank Controller will Automatically Start the Drop at the Desired Location for Pin Point Accuracy
  - Automated Retardant Loading Capability





OR

This MAFFS II Modular Aerial Fire Fighting System 3,000 GAL

Tank Cost Installed +\$7M MAFFS II Net Wt. 15,000 lbs Slides in and out in four hours Pressurized Tank Flow Flow Rate of 700 gal/sec. Requires additional crew Requires additional equipment Multi mission with tank removed Long Load jettison time – 4.3 sec This Coulson RADS-XL Retardant Aerial Delivery System 3,500 GAL



Tank Cost Installed \$3.5M

- RADS XL Net Wt. 2,300 lbs
- Slides in and out in one hour
- Gravity Constant Flow
- Flow Rate 1,600 gal/sec.
- No additional crew required
- No additional equipment required
- Same
  - Quicker load jettison 2.2 sec.



• Coulson Tanker 131 Comparison to C-130J MAFFS Performance

|           | <u>AFC130</u>      | <b>Tanker 131</b>     |
|-----------|--------------------|-----------------------|
| OW        | <b>90,000lbs</b>   | <b>75,000lbs</b>      |
| Engine    | <b>AE2100D3</b>    | <b>T56A-15</b>        |
| SHP       | <b>4,700lbs EA</b> | <b>4,200lbs EA</b>    |
| MAFFS 2   | <b>15,000lbs</b>   | <b>Included in OW</b> |
| Retardant | <b>27,000lbs</b>   | <b>31,500lbs</b>      |
| Fuel      | <b>24,000lbs</b>   | <b>24,000lbs</b>      |
| GW        | 156,000            | 130,500lbs            |
| P/W       | 0.12               | 0.13                  |



