Comeau Aerospace Inc.

Ultimate Flying Machine - Design Engineering Projects

CAI-220 - Enterprise

● double cranked delta high wing aircraft* (see *DCD-notes) - chevron “A” or “Λ” design;
● inner higher sweepback and outer lower sweepback for less drag and low speed;
● long root chord and short wing span strategic and operational advantage over a swept wing;
● supreme structural strength and higher wing loading, less flex, fatigue, major life extension;
● increased internal capacity for fuel and storage, more range and auxiliary options;
● high lift aerodynamic design amplifies load characteristics;
● enhanced load balancing, speed range, stability and maneuverability;
● excellent low speed, stall and landing speed and short distance;
● high speed flight and and high angles of attack throughout speed range;
● shorter takeoff with higher load, reduced pitch up in landing or takeoff;
● tail less delta wing loading limitations eliminated, and optimised operational range;

● twin engine options, turbofan and turbo jet under review
● Options: based on the CAI-210 DCD technology;
● strategic, tactical and operational environments;
● Vision: advanced materials, propulsion and mission tasking;
● low signature stealth characteristics and compact high performance design;
● Commercial, cargo and container modules, aft ramp door, larger series envisioned;
● aft ramp, side entry and cargo and ski/tundra rough terrain options;
● Extremely robust and adaptable: multi-role, multi-task and dedicated all weather logistics;
● optimizing high wing integrated design for custom mission operations;
● Engine Test Program*: altitude compensating nozzles, fuel and energy test program,
● V/STOL and electro-dynamic advanced propulsion;

CAI 220 Enterprise

● 2,400+ mile range - ● climb: 3,000-6,000+ fpm;
● empty weight: 12,000 pounds - ● useful load: 9,000 pounds - ● 475 kts max
● length: 57’, wingspan: 40’, - ● 12 passenger and luggage
● NTPI-MXC equipped: obviously classified

Jetstream Vision - Advanced Projects

● *Pricetag:* est. $15 million
● Production *Vision:* start - 5, 5+ within 5 years, 20+ within 5 – 10 years

Obviously governments, the RCAF, RCN, SME and people bored with cars would never dream about anything like this...only hard core action and adventure types that don't watch TV or read newspapers because they are on a mission... :-) or they have a boss with bright ideas.

● *Job Creation Vision:* 1,000 long term jobs, high value added, premium compensation.
● *Investment & Acquisition Vision:* totally more awesome...than most portfolios
● *Pilot Vision:* awesome, a super customized advanced experimental and applied research vehicle for ultimate logistical, strategic, tactical advantage, agility, scalability and long term development and optimized service life. The focus on maximum fuselage and propulsion development and integration of operational design elements, for all aspects offers an incredible range of options that will completely redefine the ultimate flying machine.

the ultimate flying machine adventure

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