PANEL 2

Manitoba Priorities related to Technology/Funding Recommendations

Panel 2 Issue: Government create a program to support large-scale aerospace technology demonstrators

- Design of program needs to be carefully considered - should not just be an extrapolation or expansion of existing programs
- Focus on TRL 4 – 10 with effective connections to lower TRL's to draw forward promising technologies (other mechanism for TRL 1-3)
- Single delivery mechanism for all TRL's will present challenges – different players and needs for different levels i.e. 4-7, 8-10
- Support a 50/50 split in industry/government contributions for TRL 4- 7
- A separate program for small to medium scale technology demonstrations is required i.e. moves technologies up TRL until ready for inclusion in large-scale demonstrators

Panel 2 Issue: Government create a program to support large-scale aerospace technology demonstrator

- Stable long term funding is required due to the nature of these types of programs, continuity is necessary
- Needs to focus on industry defined technical priorities
- Initiatives need to be understood from a technology perspective as well as a business perspective
- Clear definition of in-kind industry support
- Current program limitations must be carefully considered before adapting them to address this need.

Panel 2 Issue: focus on key technology areas for Technology Demonstrators

- Manitoba needs to advocate on behalf of its existing hubs that include:
  - Composite manufacturing technologies
  - Aerospace training
  - Engine testing and MRO
  - Aerospace Airframe Manufacturing and MRO

Panel 2 Issue: Modification of SADI program

- TRL 4 – 7 projects need to provide a non-repayable portion unless this funding is made available by some other mechanism i.e. tech demonstration program
- Industry led not for profits should be able to apply for funds on behalf of industry driven collaborative projects involving multiple companies

Panel 2 Issue: Government co-fund initiatives aimed at strengthening the CDN aerospace supply chain

- Current programs (MACH, Comp Edge) focus on improving supplier business systems which is critical but …
- …. also need focus on adoption of new technologies and alignment of new supply chain capabilities with OEM and Tier 1 requirements both national and international
- Include supply chain in demonstration projects driven from recommendations 2, 3 and 5 to build capability, connections and confidence

Panel 2 Issue: Action 2.7 Expand GARDN

- *Make more accessible to Western Canada.*
- *Need to use other existing organizations to focal development for non-green technologies i.e. machining, assembly, composites, MRO, design, etc*

Membres du réseau | *Network Members*

Membres associés | *Associate Members*

Panel 2 Issue: SB 3.1.3.1 Rec 3 $ and program incentives over next 5 – 10 years for SB to adopt key "leap frog production and process technologies"… a CDN supply chain transformation… a real impact on SBs competitiveness

- Use successful industry/academia collaborative cells within Manitoba as a best practise template i.e. CATT and CNDI
  - skilled personnel development
  - access for 3rd party technology evaluations/trials
- Pursue sharing of these cells with Training institutes and other SMEs outside of Manitoba to have them recognized as a Canadian centre of excellence
- Use a Canadian wide network of such centres to enable Manitoba stakeholders to gain technical and academic knowledge from cells in other regions