



Green Aviation
Research & Development
Network

Groupement Aéronautique
de Recherche et Développement
en eNvironnement

NCE Annual Meeting 2018 – Brag & Steal

Malek Kacem

Ottawa on the 29th of March 2018

FINANCIAL PARTNER



Government of Canada
Networks of Centres
of Excellence

Gouvernement du Canada
Réseaux de centres
d'excellence

The Green Aviation Research & Development Network (GARDN)

+64 members across Canada

- 9 OEM / Intermediate size
- 31 SME
- 18 Universities / Research Centres
- 6 Associations / International organizations

+300 Highly Qualified Personnel have been involved

A total value of more than \$70M
\$1 from the NCE ≈ \$2 from the industry

GARDN I :

17 projects completed

GARDN II :

18 ongoing projects; 11 are led by SMEs

GARDN: The first green aviation initiative in Canada



Tested In Flight
World's first civil aircraft
powered entirely by biofuels



Michel Potvin
(CMC Electronics) Oleksandr Kotsiuba
(Antonov)
Flight management system
expertise by CMC Electronics and
École de Technologies Supérieures.



Biofuels as a drop-in fuel at Pearson Airport's hydrant systems: Air Canada, Waterfall Group, SkyNRG (Netherlands), McGill, UTIAS, Transport Canada, NRC, Ascent (USA).

GARDN I & II Members, Contributors and Participants

