

Media Release

New Drone Safety Regulations DO Work

Transport Canada Names InDro Robotics Canada's First Fully-Compliant Drone Company

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News stories are everywhere about how drones are dangerous. We all know they can be a threat to people and aircraft.

Transport Canada has responded with ever-tighter legislation.

Does this legislation work? Will it make people safer?

Yes it does.

InDro Robotics, a BC-based drone supplier and service company, is Canada's most-advanced proving ground for Transport Canada's approach to public drone safety.

Pierre Ruel (Chief of Commercial Flight Standards, Transport Canada) recently granted InDro Robotics CEO Philip Reece the first Compliant Special Flight Operating Certificate (SFOC) in Canada.

This SFOC defines the path forward for commercial, remote-controlled, unmanned aerial vehicles in Canada. Its **restrictions are so comprehensive and the safety requirements so detailed** that it will vastly increase public safety, by providing clear rules around how flights must be undertaken and risks mitigated via training, reliable hardware and aviation standard operating procedures, at the same time as it creates avenues for drone operations to be carried out to their full potential in many environments and in complex, controlled airspaces.

Under Transport Canada's oversight, InDro Robotics' drone pilots take the **same ground school as private pilots of full-sized airplanes**. They must have extensive flight experience and be fully insured. InDro has had to develop comprehensive standard-operating procedures for every circumstance, and must fly under a Transport-Canada issued Compliant Special Flight Operations Certificate. The drones themselves must be compliant as well, with extensive flight and engineering testing by test pilots and professional engineers, and built-in safety measures to compensate for loss of signal or systems problems.

When InDro's pilots fly near airports or controlled areas, they **communicate with air traffic control towers**, and, like any other aircraft pilot, follow flight path and instructions from the tower. InDro's **pilots all log flights** manually, and the drones keep automatic software records, just like the black boxes in full-sized aircraft.

With this onerous level of safety and security precautions comes a set of **professional operating standards**. As a fully-compliant drone company, InDro Robotics can take on commercial and first responder duties that until now have been out of the reach of drone operators. InDro Robotics are undertaking missions with Police, Fire and Paramedics as well Power and Gas companies carrying out mapping, inspection and detection.

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About Philip Reece

Philip Reece, the founder of InDro Robotics, one Canada's premier Unmanned Aerial Systems firms, has a background in tech start-ups and in commercial aviation. As the former CEO of a seaplane airline flying 16 flights a day with a fleet of De Havilland DhC-2 "Beavers", Philip noticed many of the industry flights for clients in construction, mining, forestry and wildlife could be carried out by UASs. Previous to his role in Aviation, Philip started and successfully built companies in IT, Oil and Gas, and Control and Instrumentation, taking him from one end of the world to the other, opening offices in London, Houston, Toronto and satellites office in many locations ending in 'stan'. Now primarily based at the R&D office on Salt Spring Island, BC he still gets to travel to far-flung places when servicing the humanitarian-aid clients, recently completing work in Haiti and Nepal.

Media Highlights

- CBC Current Interview: <http://www.cbc.ca/radio/thecurrent/the-current-for-may-20-2016-1.3590817/may-20-2016-full-episode-transcript-1.3592343> <<http://www.cbc.ca/radio/thecurrent/the-current-for-may-20-2016-1.3590817/may-20-2016-full-episode-transcript-1.3592343>>
- Ottawa Sun on Paramedics: <http://www.ottawasun.com/2016/04/17/skys-the-limit-renfrew-paramedics-harness-the-power-of-drones>
- CTV News on Paramedics: <http://ottawa.ctvnews.ca/drones-to-the-rescue-1.2772898>
- EMS World on EMS Response in Rural Canada: <http://www.emsworld.com/article/12177775/drone-aids-ems-response-in-rural-canada>
- Ottawa Citizen on TC Regulations: <http://ottawacitizen.com/news/local-news/grounded-transport-canada-regulations-keep-drones-on-short-leash>
- Times Colonist - SS drone company ready to assist in Nepal: <http://www.pressreader.com/canada/times-colonist/20150522/281771332780632>
- Microsoft on InDro and Search and Rescue: <https://enterprise.microsoft.com/en-ca/customer-story/industries/public-sector/public-safety-national-security/indro-robotics-revolutionizes-search-rescue/>