

# TRANSPORT CANADA'S DRONE STRATEGY

## Integrating drones safely and securely in Canadian skies

*Drones have the potential to transform the way we 'fly', work, and live in Canada*

**DRONES ARE A GROWING INDUSTRY WORTH OVER \$6 BILLION.**



Source: Global Commercial Drones Industry. September 2020.  
[https://www.reportlinker.com/p03646055/Global-Commercial-Drones-Industry.html?utm\\_source=GNW](https://www.reportlinker.com/p03646055/Global-Commercial-Drones-Industry.html?utm_source=GNW)

### DRONES HELP CANADIANS BY:

- connecting communities so the transportation system reaches more people
- improving supply chains
- providing quality data to businesses
- creating new jobs and fueling economic growth

### DRONES ALSO PRESENT NEW CHALLENGES AND OPPORTUNITIES TO:

- develop agile regulations and standards for new aircraft, new operators and manufacturers entering the market, and creative uses for drones
- re-define airspace and air traffic management
- improve the ability of airports and critical infrastructure to prevent economic losses and keep the public safe
- build a social licence to operate drones by addressing privacy, safety, and urban use issues

### DRONES OR REMOTELY PILOTED AIRCRAFT SYSTEMS



RECREATIONAL USES • COMMERCIAL USES • NEXT GENERATION TECHNOLOGIES

**THERE ARE OVER 53K DRONES IN THE SKY AND 37K AIRCRAFT**

Source: Transport Canada Civil Aviation. October 2020.

## TRANSPORT CANADA'S DRONE PRIORITIES TO 2025



### SAFETY REGULATIONS THAT SUPPORT INNOVATION

- Technology trials at testing ranges
- Pilot projects to test new uses and gain insight
- Special flight authorizations for drone operations that benefit the public
- Flexible and risk-based Beyond Visual Line of Sight (BVLOS) rules that keep up with innovation
- Working with stakeholders



### INTEGRATING DRONE TRAFFIC IN CANADIAN AIRSPACE

- Drone traffic management network
- Digital infrastructure strategy that includes communication, navigation, and airspace surveillance systems
- Drone traffic management trials
- Tracking and remotely identifying drones



### DEVELOPING A NATIONAL DRONE SECURITY STRATEGY

- Understanding security and cybersecurity risks and developing strategies to manage them
- Airport incident response protocols
- Counter-drone technology trials
- Security framework for detecting and removing unauthorized drones



### INNOVATION STIMULATING ECONOMIC GROWTH

- Research and development projects related to Canada's environment
- Partnerships to nurture the Canadian drone ecosystem
- Harmonized international standards on drone design and manufacturing to bring drones to market
- Modern commercial licensing rules to support sector growth



### INCREASING PUBLIC TRUST IN DRONES

- Public perception research and action plans to address concerns
- Inter-governmental coordination on urban drone operations
- Working with communities, including with Indigenous groups
- Partnerships with law enforcement to enforce safe drone practices
- Communicating with Canadians

### IN COLLABORATION WITH:



Government of Canada / Gouvernement du Canada

### PRIVATE SECTOR



### INDUSTRY



### ACADEMIA



### INTERNATIONAL

