



Eye in the Sky Aids Hearts in the Ice

Nordic Mission Sees First for Women and Drone Flight

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InDro Robotics is pleased to announce its support of the *Hearts in the Ice* project in the Norwegian Arctic to monitor the rapid effects of climate change on the remote Northern environment, including Polar Bears and other wildlife, with a unique take on emerging drone technology.

The project, starting in August 2019, will see two native Norwegians who now call BC home, live and work in a remote trapper's hut in the frozen North for 9 consecutive months. This expedition will see Hilde Falun Strom and Sunniva Sorby as the first women ever to over-winter at the hut without running water, electricity or in the presence of any men.

"Creating conversation and accessibility to the events of the Arctic are absolutely essential to furthering our understanding of the impact of climate change. As citizen scientists on the front line of where change is felt the most, we knew technology would play an important and essential part in our journey." – Sunniva Sorby

Their mission is to engage a global community in the climate change conversation and to provide actionable resources for kids, adults and communities. A major focus of their Citizen Science research will be observation and surveying of wildlife, including Polar Bears. They will be leveraging innovative technologies to facilitate research, data capture and communication throughout their expedition.

With the help of InDro Robotics' cutting-edge drone and sensor technology, Strom and Sorby will track the movements of Polar Bears navigating the Arctic region, all while in the pitch black of the Norwegian winter. Using unique heat sensing infra red technology (FLIR - Forward Looking Infra Red) built into the drone, Strom and Sorby will be able to observe and monitor wildlife, making this one of the first long duration UAV (Unmanned Aerial Vehicle) experiments north of the Arctic circle.

"The technical drone from InDro Robotics provides us with a unique opportunity to capture wildlife during the long polar night that last more than 3 months. The Polar Bears are our greatest danger during our stay so the infrared drone give us an element of safety. It's been an incredible process learning to fly the drone and capture the sensory data, day or night, then share some of the recorded footage with our community through Iridium's Mission Link." – Sunniva Sorby

InDro Robotics is the market leader in UAV development and operations. Having collaborated with the likes of NASA, Transport Canada, Ledcor and Canada Post, InDro Robotics has facilitated thousands of flight hours and is proud to join the Hearts in the Ice project community.