Logistics of Drone Delivery
Deliver Future (Drone X)
Lake Victoria Challenge, October 2018
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Agenda

1. Introducing the project: What is the idea behind DroneX?
2. First Pilotphase: Activities and Outcomes
3. Second Pilotphase: Objectives and Implementation
4. The way forward: Future vision
Project: Deliver Future / Drone X
1. What is the idea behind the project?

Conditions:
- 1.6 Mil. People die every year in Africa
- Functioning medical treatment

The causes for this can be curbed by providing:
- access to medicine

Causes:
- Impassable streets
- Insufficient medical supply chains
- Inefficient logistic systems

Agenda 2030
- Achieving SDG Goal 3.8
- Key: access to pharmaceuticals
2. First Pilotphase

Activities

- Duration: 1.1.2017 - 30.05.2018
- GIZ, Wingcopter and DHL
- Cooperation: Regional commissioner Mwanza, Dar Teknohoma Business Incubator, Medical Store Department Tanzania, TCAA, Ministry of Health
- Establishment of Air corridor (Wingcopter sole license), stakeholder networks in Mwanza, Educating 4 drone pilots
2. First Pilotphase

Outcomes

- Worldwide leading pilot project delivering medicine over a long-distance flight (64 km) and tracing back laboratory samples
- Publication of a short movie that has been made public on the 4th of October:
- FILM: https://wingcopter.com/deliverfuture/
3. Second Pilotphase

Objectives

- Health Impact
- Knowledge and Technology Transfer
- Extended Technical Proof
- Business Case Analysis
3. Second Pilot Phase

Objectives

Health Impact
- Datamapping and evaluation for 18 months
- Establishing and evaluating of ordering and delivery processes

Knowledge Transfer
- Educating 12 operators & 6 engineers and technicians
- Transferral of delivery route Mwanza – Nansio to the local team after 6-8 months
3. Second Pilotphase

Objectives

Extended Technical Proof

- Six month phase: Delivery from Mwanza to Nansio
- Afterwards: Extension of the network beyond Ukerewe to neighbouring islands
- Testing new drone types

Business Case Analysis

- Potential for low-cost UAVs through drone delivery
- Evaluation of Drone-Delivery for MSD
- Evaluation of potential markets/job potential for local habitants
4. Future Vision

- Extending the geographic landscape
- Extending to new application fields
- Supporting local Start-Ups
- Increasing social and economic impact
Thank you for your attention!