Safest

Modern technologies to prevent wildland fires

Baltic Peat Producers Forum

Tartu, October 2018

Safest

Agenda

1. Using thermal drones in peat production area

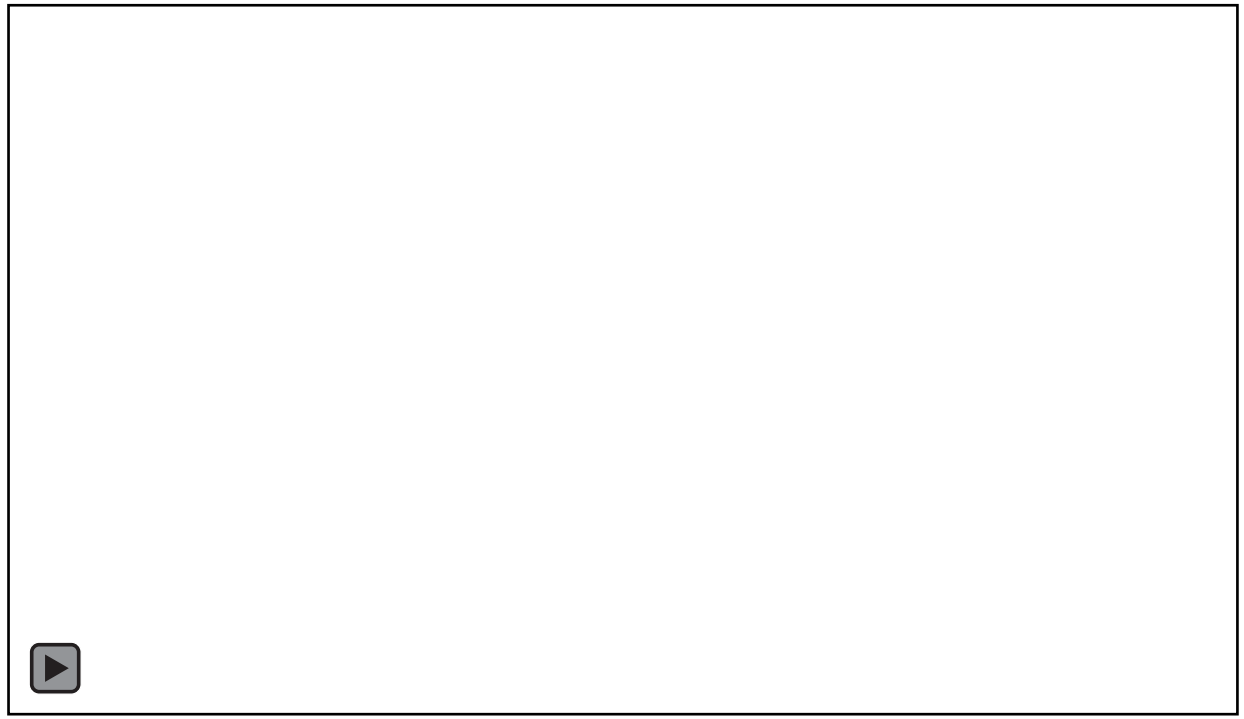
2. Combined trainings

SUMMER
2018

+41%

WILDFIRES

Facts



- 40 days of highly flammable time
- + 41% wildfires vs. L 3 Y
- 430 + ha wildland destroyed
- 29% of total rescue events were wildfires

Bottlenecks

- Lack of rescourses for production site monitoring
- More effective time consumtion needed for measuring internal temperatures of peat stockpiles
- Staff training challanges due to seasonality
- No agreed training regulations for subcontractors

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Thermal drones in peat production area

FINDING THE SOLUTIONS …

Challenge for drones

Weather conditions:

- Tempreature +6 C
- Wind 5m/s
- Fog+ occasional rain

Task :

Find the burning candles from peat production area

Area size aprox 50ha

ACTION …


LET’S PLAY…

EASY!

STILL LACKING INFO – this is for you

Peatpiles

Keep your feet on the ground and monitor the process

Pilot projects main learnings:

- General mapping of the area of 50 ha possible in 10 minutes
- Gathered data easy to analyze
- Testing in different seasons needed
- Testing in different weather conditions needed
- Dual camera drone makes the monitoring process most efficant

Safest

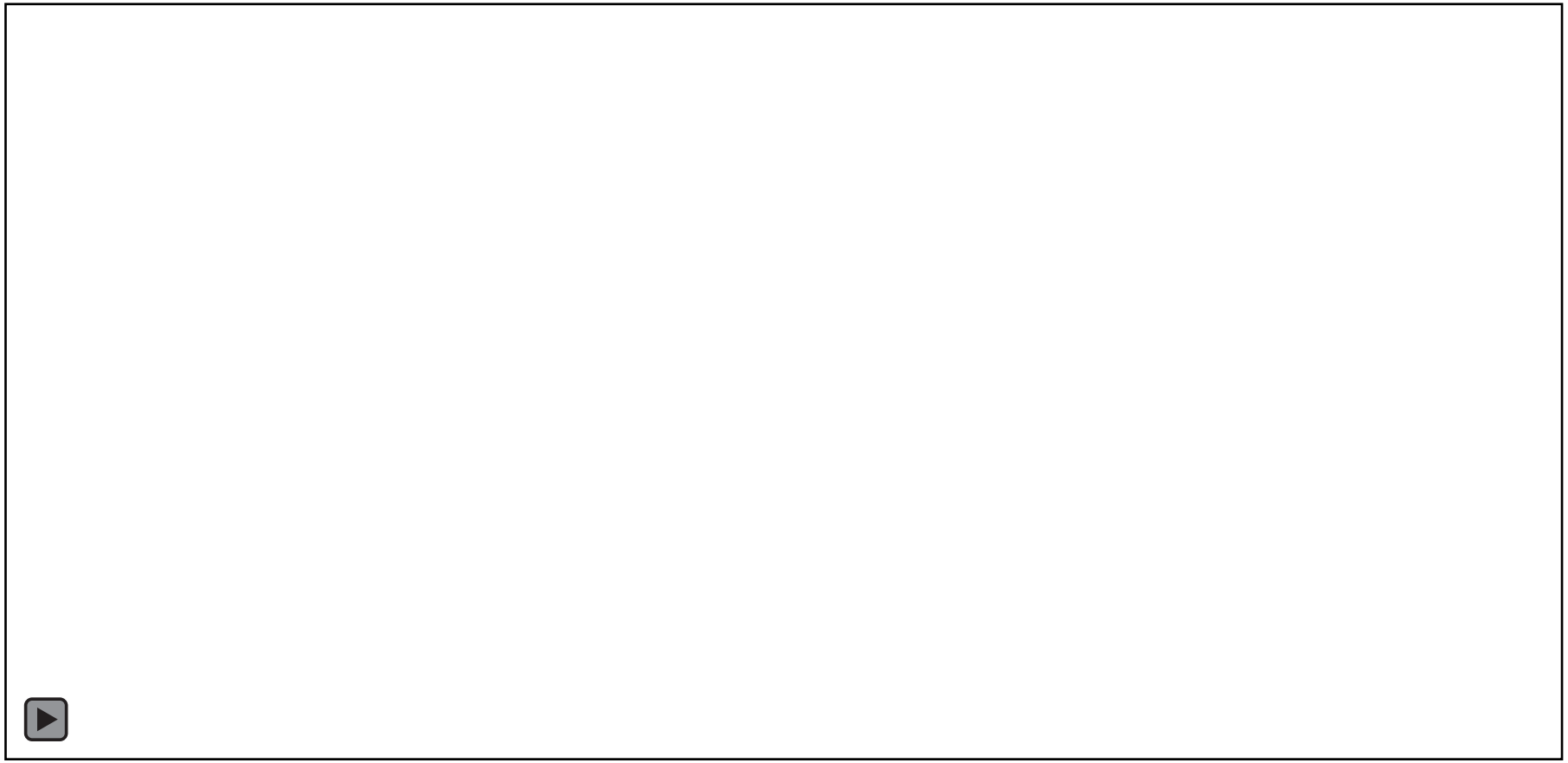
Combined trainings

Trainings for personell - result orientated or a formality?

- What is the most efficient way?

E-learning solution

SAMPLE - solution for Utilitas Tallinn Power Plant



Thank you !