



C-UAV - CPS  
MAY 2017  
DRONES

Securing Your World

Erik Deleersnyder



SECURING YOUR  
WORLD.

EVERY DAY. ALL DAY.

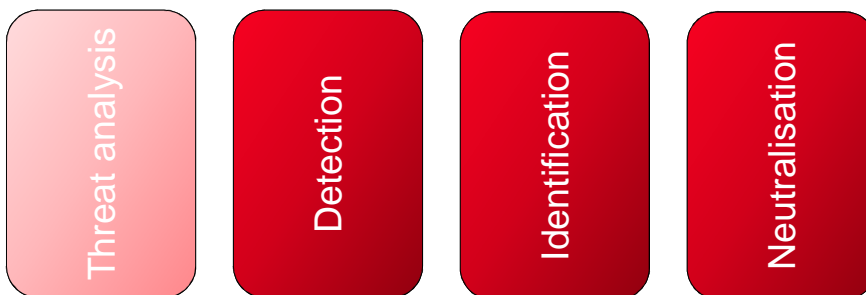
- 
- Process
  - Detection
  - Case Zeebrugge
  - Conclusion

Securing Your World



## Process

---

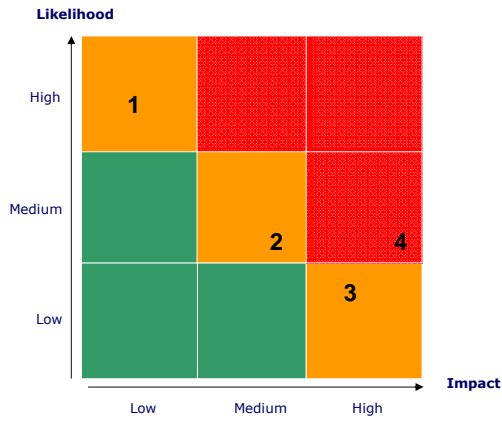


- Intent & capability of drone
- Potential risk
- Life – Property – Business assets - Information

Securing Your World



## Process

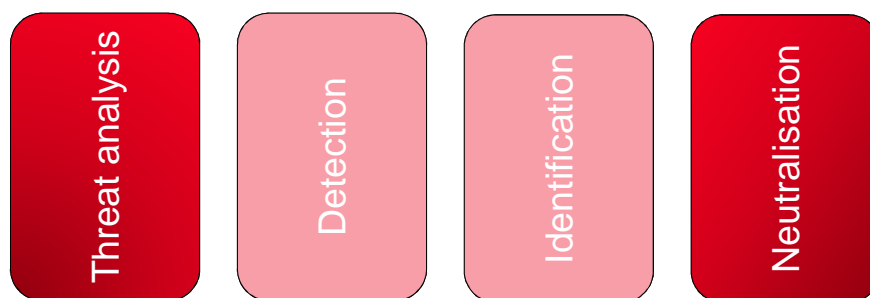


- Threat level is measured in terms of likelihood and impact of an undesired event.
- The likelihood is determined by the existence, capability, and history of a threat within the industry or the company.
- The severity is measured as the direct and/or indirect financial impact over 1 or more years.

Securing Your World



## Process



- Select solution

Securing Your World



## Detection



## Case Zeebrugge

- Back to basics → RF & WiFi scan













## Case Zeebrugge

Orange B 12:10 werf30.dnsalias.com 93%


**DroneTracker** ✓ SAFE 1 HOME ALERTS OPTIONS HELP admin

### Alerts

Select Delete Filter By Flag Filter By Upload Status Refresh

Thumbnail	Time	Duration	Sources	Flag	Upload Status
<input type="checkbox"/>	 17-5-2017 13:13:46	10s		✓	
<input type="checkbox"/>	 17-5-2017 13:12:55	10s		✓	
<input type="checkbox"/>	 17-5-2017 10:24:59	13s		✓	
<input type="checkbox"/>	 16-5-2017 13:21:13	10s		✓	
<input type="checkbox"/>	 16-5-2017 11:31:12	13s		✓	
<input type="checkbox"/>	 16-5-2017 11:30:45	13s		✓	
<input type="checkbox"/>	 15-5-2017 13:54:31	10s		✓	
<input type="checkbox"/>	 15-5-2017 10:49:18	15s		✓	
<input type="checkbox"/>	 12-5-2017 13:58:43	13s		✓	
<input type="checkbox"/>	 12-5-2017 13:53:42	10s		✓	

« Prev Next »



## Case Zeebrugge

Orange B 12:11 werf30.dnsalias.com 93%

**DroneTracker** ✓ SAFE 1 HOME ALERTS OPTIONS HELP admin

### Alert Details

**Alert Details**

Time: 15-5-2017 10:49:18

Duration: 15s

Alerting Zones:

Flag As: None

Upload:  Request Upload

Comment:

Save Changes

**Map**

Download as GPX

Show


**Sources**

📶 DR1710A1001098W Show Download

📶 DR1710A1001098W

0 10 20 30 40 50 60 70 80 90 100

Play



## Conclusion

---

- Excellent start in electronic detection
- Fine tuning to avoid false alarms
- Only commercial drones
  
- Fase 2 = extension to check

Securing Your World

