

# RSA®Conference2018

San Francisco | April 16 – 20 | Moscone Center

SESSION ID: SBX4-R1

## DEFEATING INSIDER THREATS TO CRITICAL INFRASTRUCTURE



#RSAC

### Chris Blask

Global Director Industrial Control Systems  
Unisys  
@chrisblask

### Eric Knapp

Chief Engineer, Cyber Security Solutions and Technology  
Honeywell  
@twitter?

# Current Situation With Industrial Control Systems

- Things are changing
  - Modern devices are smarter and better connected
  - Cost savings are driving adoption of new technologies
  - Challenging traditional approaches to security
- There will be winners and losers
  - Digital innovation provides competitive advantages
  - The risk is market viability in the coming years
- Successful change is hard
  - Planning, coordinating, policies, security
  - While increasing business effectiveness
- You need mature partners
  - Executive support
  - Execution support
  - Stability and reach





# An ICS Security Primer

*“OT is different than IT”*

*“The safety system will take  
care of us”*

*“ICS predates security”* ***“We’re safe behind  
an Air Gap”***

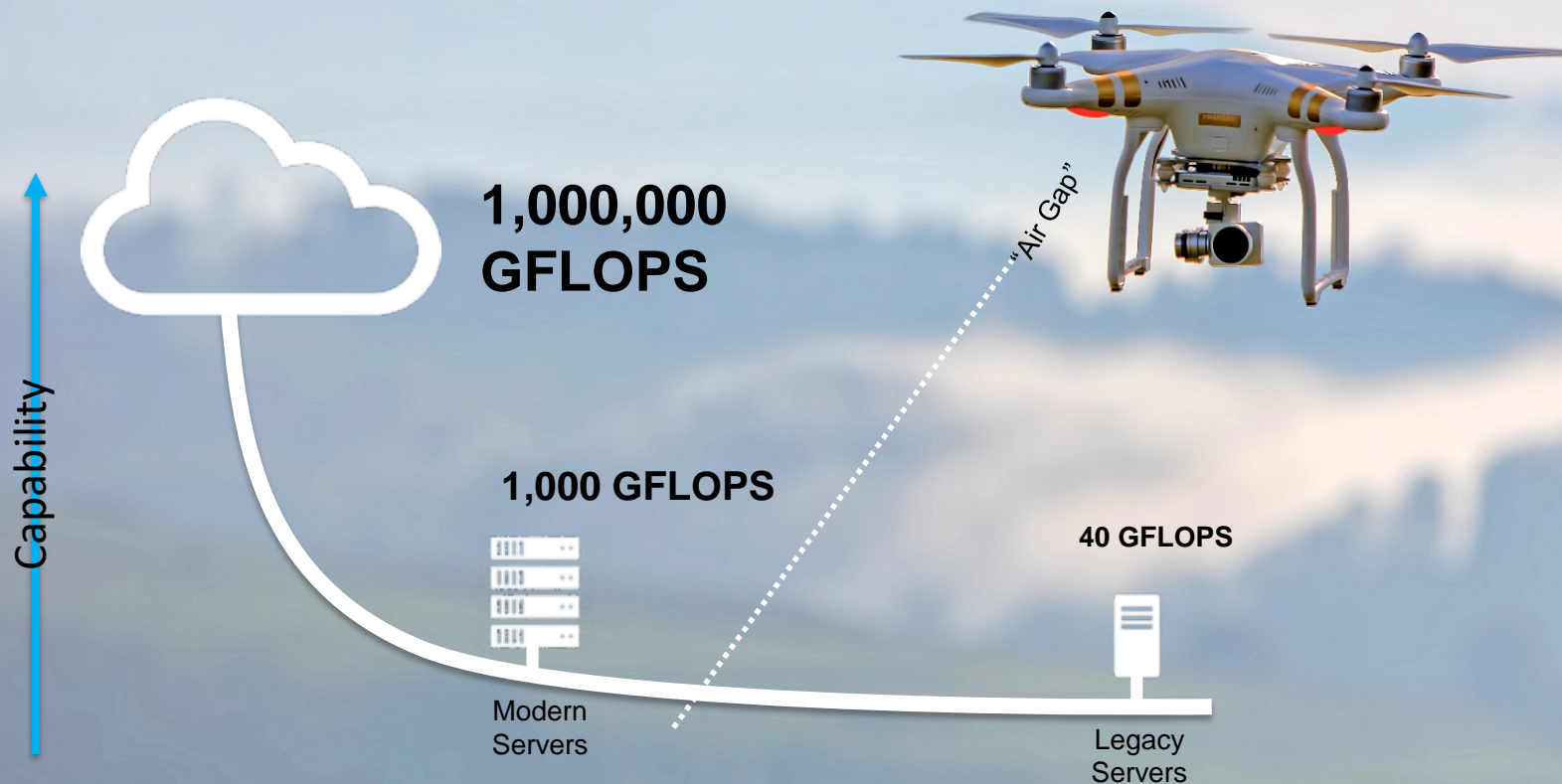
*“We can’t go offline long  
enough to upgrade”*

*“Hacking a control system requires  
specialized knowledge”*

*“Security by obscurity”*



# Even With The Best Intentions





# The Recommended Solution

## Strategy

- Have one

## Standards

- Learn from them

## Integration

- Embrace it

## Digitalization

- Own it

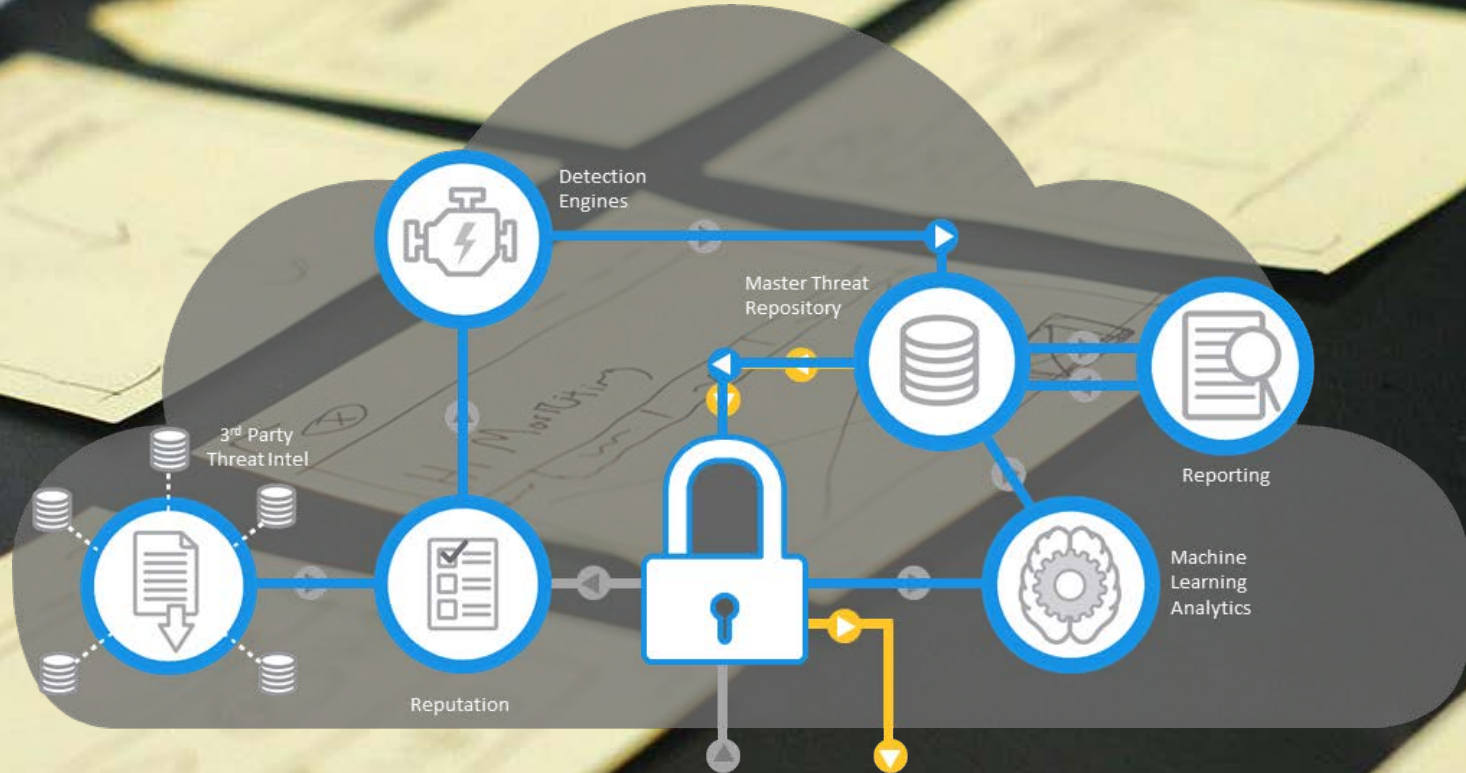


# SMX Example



- Moving to the cloud
  - Management says do it
  - Security team says absolutely not
- What Standards apply?
  - ISA-99/IEC 62443
- Integration of OT
  - Honeywell realized that with SMX needed a 62443 Zoned solution to isolate from customer networks
- Digitization of Solution
  - Own the entire solution
  - In this case end-to-end cryptographic zoning to achieve **the first** ISA-99 compatible cloud

# We've Got an Industrial Cloud ... Now What?



# Questions?



[christopher.blask@Unisys.com](mailto:christopher.blask@Unisys.com)  
[eric.knapp@honeywell.com](mailto:eric.knapp@honeywell.com)

**Come see us at the ICS Village in the  
exposition area**