

E-MATERI



YAYASAN
PENDIDIKAN
INTERNAL AUDIT



BUILDING RESILIENCE IN TUNA WORLD:

“Control Your Future
or Someone Else Will”

HOTEL TENTREM YOGYAKARTA

5-6 JULI 2023

KONFERENSI & WISUDA YPIA



PLN





Cyber Security Road Map to **Disaster**

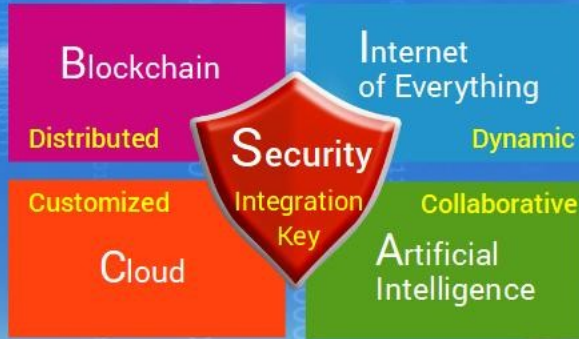
“Feeling Secure is Dangerous. It makes us complacent.”

Yogyakarta, 6 July 2023



Gildas Deograt Lumy, CISSP, CLSIP, ISO 27001 LI/LA, ISO 27005 Senior LRM

Society 5.0 is The Tip of Iceberg



All the components are revolutionizing but **NOT the Security**

Agile in Fragile Environment

Emerging Industry (Business) 4.0

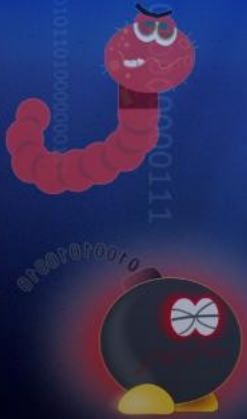
Emerging Technology

Emerging Risks

Emerging Threats

Emerging Attacks

Emerging Cyber Crime Ecosystem (Darkweb)



Digital Transformation: The **Whole Truth** of Total Cost of Ownership (TCO)

Secure by Design **Failure** = Roadmap to Disaster



- Common TCO

- System development/
acquisition
- System operation/
maintenance

- Hidden TCO when incident happen

- Recovery & penalty
- Business productivity & reputation lost
- Cost to management: career, reputation, legal
- People safety, physical & mental health
- National Security & Sovereignty

Cyber security ignorance is the kiss of death



CYBER SECURITY MINDSET REVOLUTION

IS THE BIGGEST CHALLENGE

from



to



CYBER SECURITY MINDSET REVOLUTION

Cyber World
Real World



UserID



Information

Society 4.0

Industry 3.0

Computer & Automation

Highly Convergence
Physical & Digital

Society 5.0

Industry 4.0

Cyber-Physical
Systems

METAVVERSE

AVATAR

Agile in Fragile & Hostile
Cyber Environment

There is No More Pararel Worlds

CYBER SECURITY MINDSET REVOLUTION

COMMAND CENTER
PENGAMANAN VVIP KTT G20
INDONESIA 2022

G20
INDONESIA
2022



Agile in Fragile & Hostile Cyber Environment

CYBER SECURITY MINDSET REVOLUTION

Appropriate Secure IT = Lower Total Cost of Ownership
Secure IT < IT Security
Secure IT = Convenience



CYBER SECURITY MINDSET REVOLUTION

“CYBER SECURITY **IGNORANCE** IS KISS OF DEATH,
NOT BLISS.” ~Gildas Deograt

Insanity is doing the same thing, over and over again,
but expecting different results.” ~Einstein (?)



“We have got to start engaging more with what might be, not just what is.”

Terima kasih



Gildas Deograt Lumy, CISSP, CLSIP, ISO 27001 LI/LA, ISO 27005 Senior LRM