

# Industry 4.0 and Internet of Things

## - Strategic challenges in protecting IP -

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# SUBSTANTIVE PROTECTION CHALLENGES 4.0

- Robotics
- Simulation processes
- Machine-learning tools (training engines, training methods and data, model architecture, inferential algorithms)
- Additive manufacturing + hybrid materials
- Digital models / 3D files
- Communication protocols
- Cyber-security techniques
- Specific applications of known methods
- Related software and data structures



Patents

Copyright

Know-how

Industrial designs

Different eligibility practices in different jurisdictions

# OWNERSHIP CHALLENGES 4.0

Public/private research institutions  
from different countries  
cooperating with private companies



SEPs  
Open source

# ENFORCEMENT CHALLENGES 4.0



- Evidence of infringement
- Contributory infringement (e.g. machine-learning, 3-D printing)

GRAZIE PER L'ATTENZIONE !



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