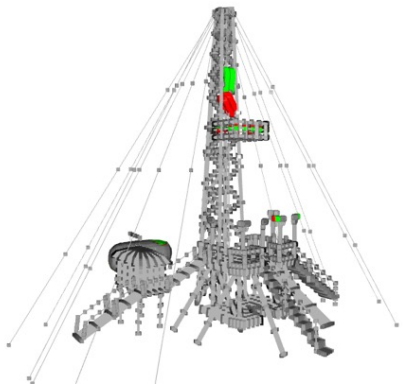


# Signal Processing, Communications, and Artificial Intelligence

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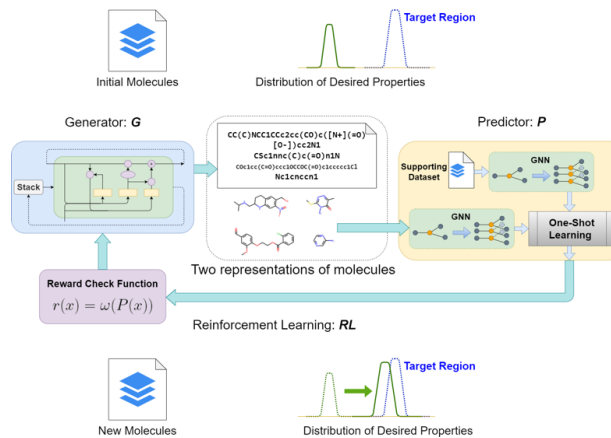
## AI Applications in Engineering Systems



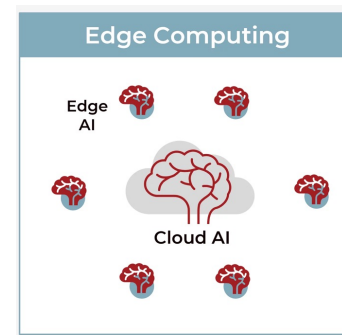
AI vision for industry inspection & automation



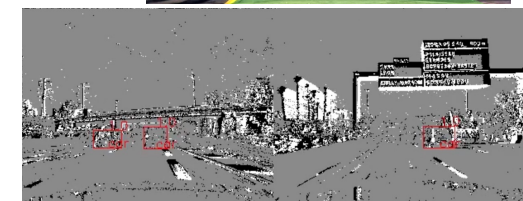
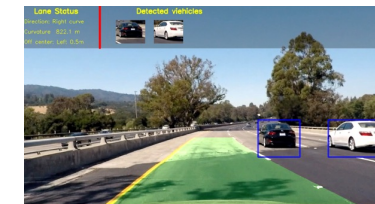
AI-enhanced drone detection & tracking



AI-assisted molecule design for drug discovery



AI safety; Edge AI devices



Neuromorphic computing for event-based vision

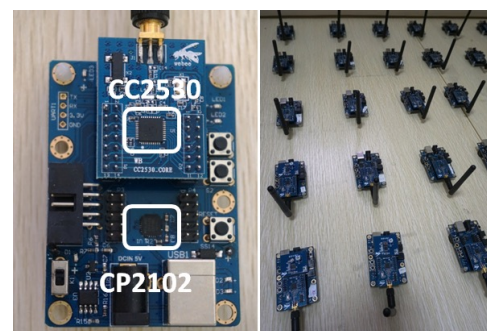
## Signal Processing & Communications



Deep learning in signal processing and in 5G/6G mobile systems

Reliable and resilient wireless systems

## Cyber-Physical Systems & Security



Reliable & trustworthy Internet of Things (IoT)

Energy-efficient communications & data analytics for IoT



ExxonMobil



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Medical Center

