

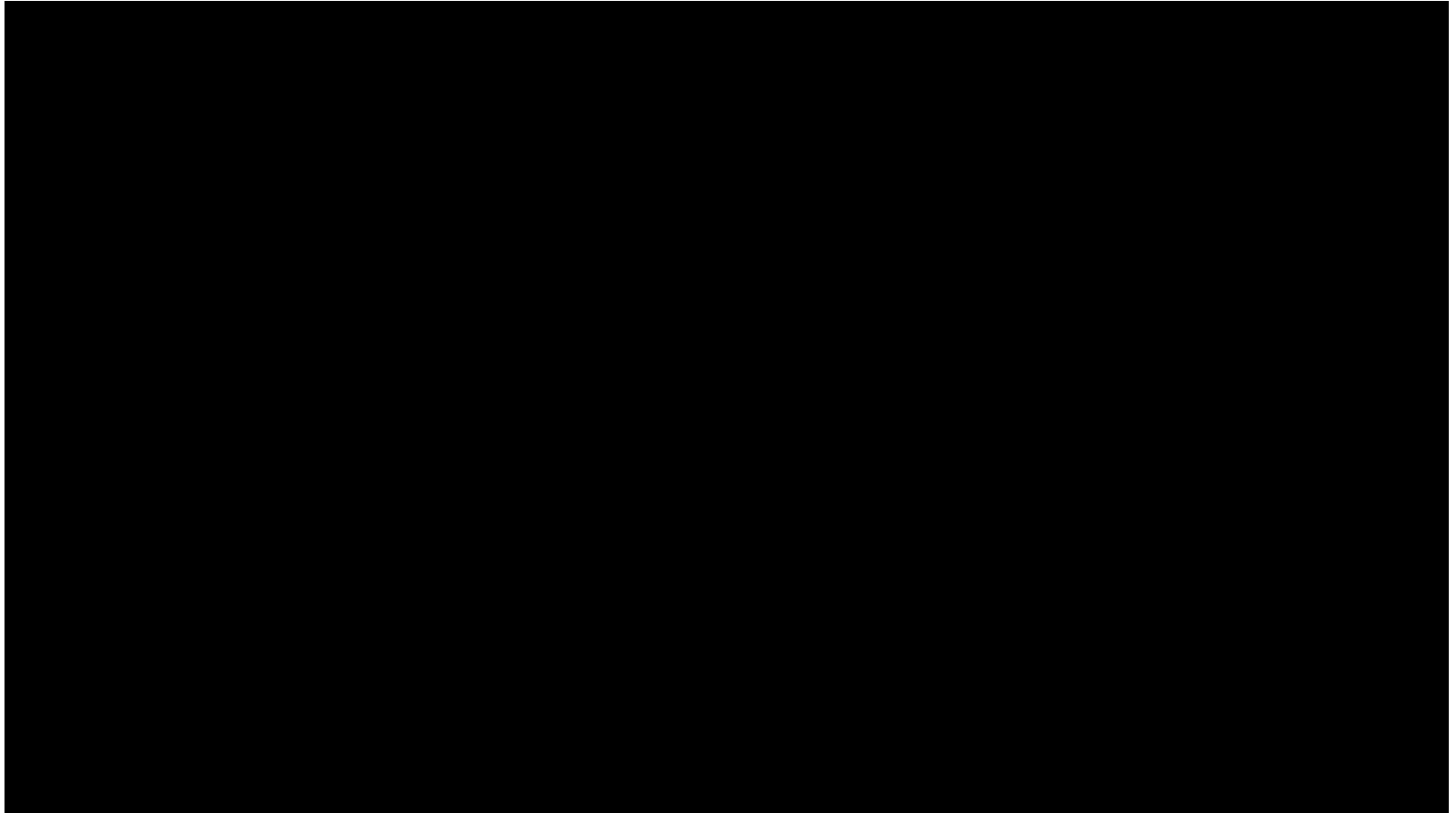
ICE 4071: Industrial Internet of Things (IIoT)

Lecture 3,4: Industry 4.0 & IIoT

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IoT Vs IIoT



Web Servers / Cloud Access

Common Cloud Platforms

1. Google Cloud IoT
2. Cisco IoT Cloud Connect
3. Salesforce IoT Cloud
4. IRI Voracity
5. Particle
6. IBM Watson IoT
7. ThingWorx
8. Amazon AWS IoT Core
9. Microsoft Azure IoT Hub
10. Oracle IoT

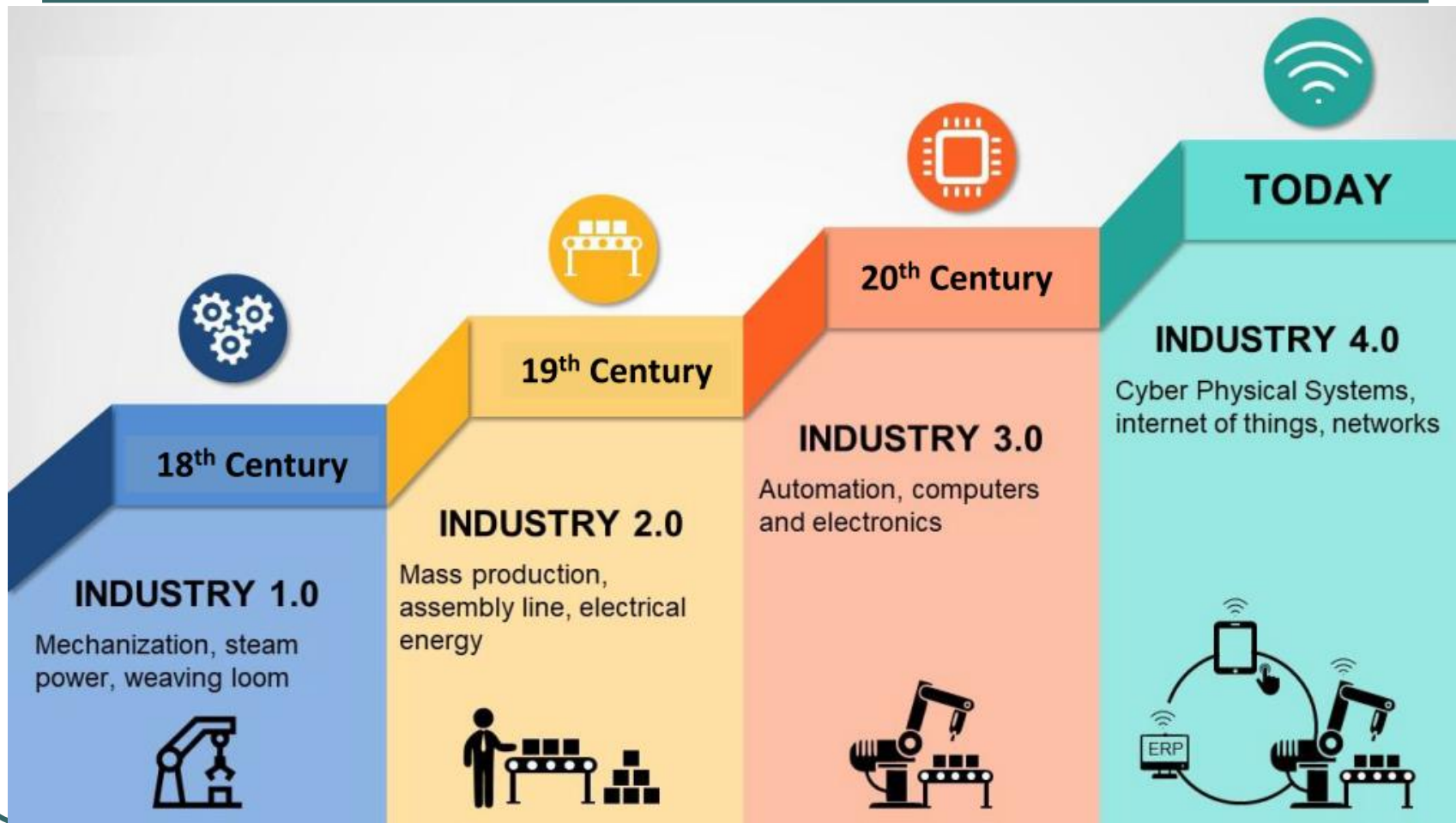
Common IoT Platforms

1. Thinger.io
2. ubidots.com/

What we use?

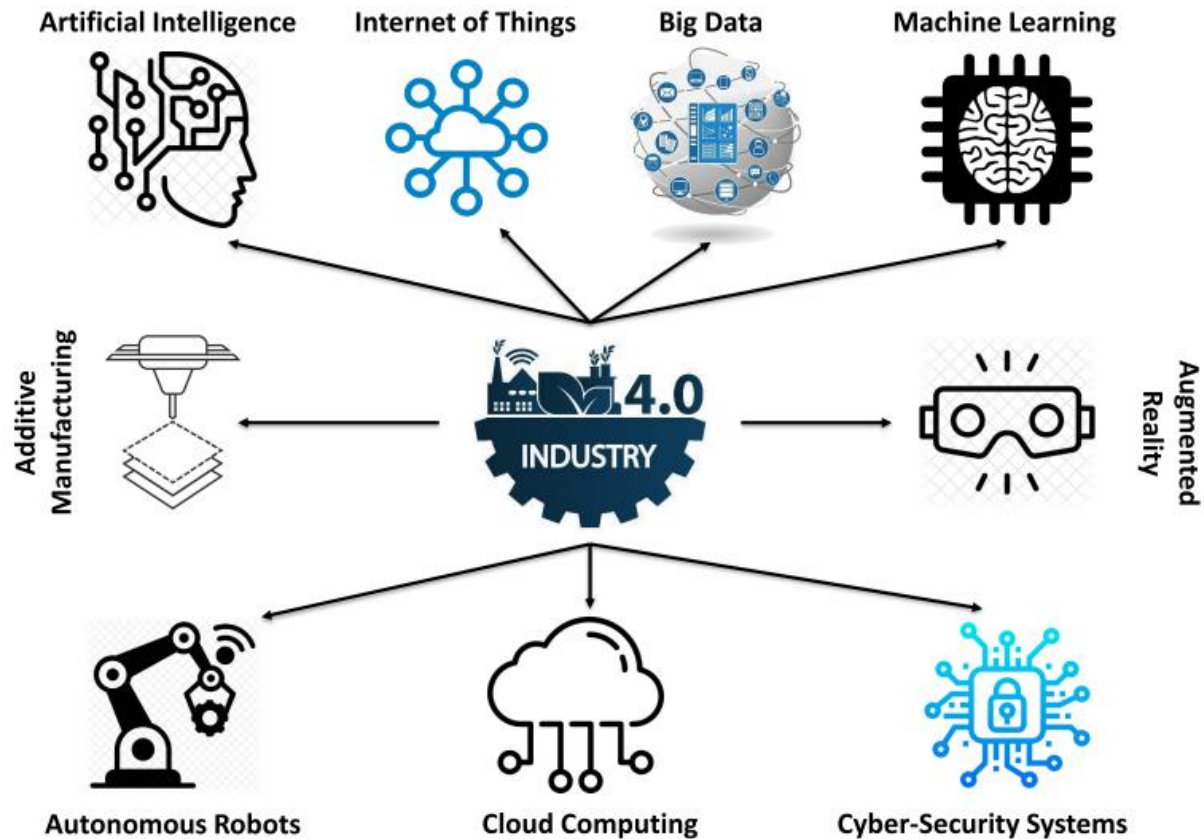
1. Node-Red – IoT platform
2. Firebase from Google as Cloud server

Evolution of Automation



Source: Dr. Amitava Ray, Principal, Jalpaiguri Government Engineering College, presentation on Green supply chain management in IIoT

Industry 4.0



Benefits

- Increased labor productivity
- Improved product quality
- Reduced labor or production cost
- Reduced routine manual tasks
- Improved safety
- Assisted remote monitoring