

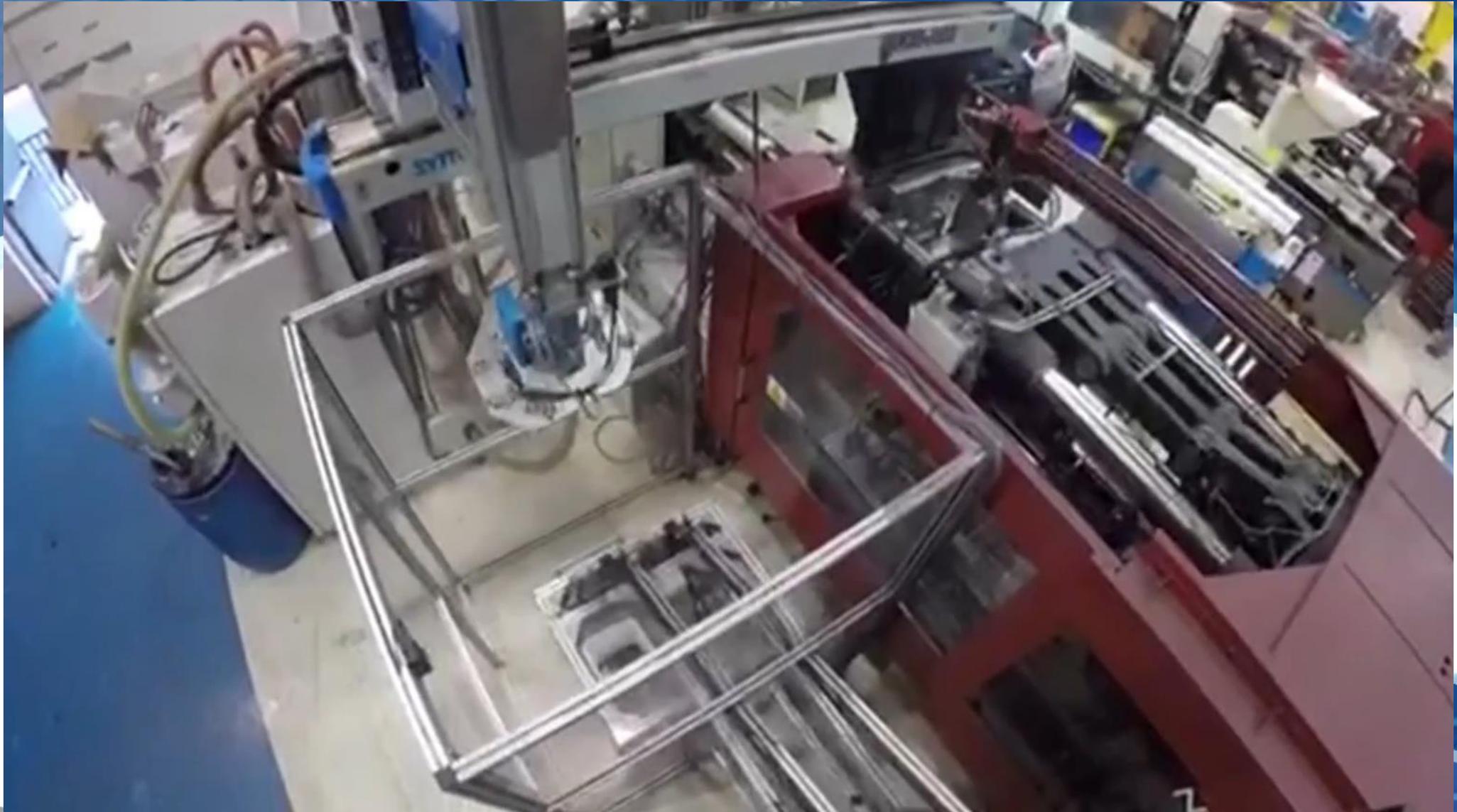
37th PCHRD Anniversary International Conference on Health Research and Industry 4.0

Internet of Medical Things

Dr. Jun Jie Chong (JJ)

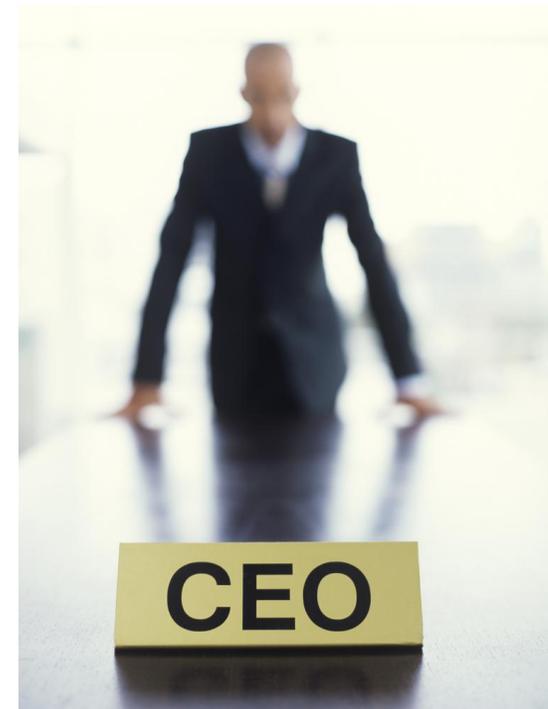
Philippine International Convention Centre, Pasay City, Manila

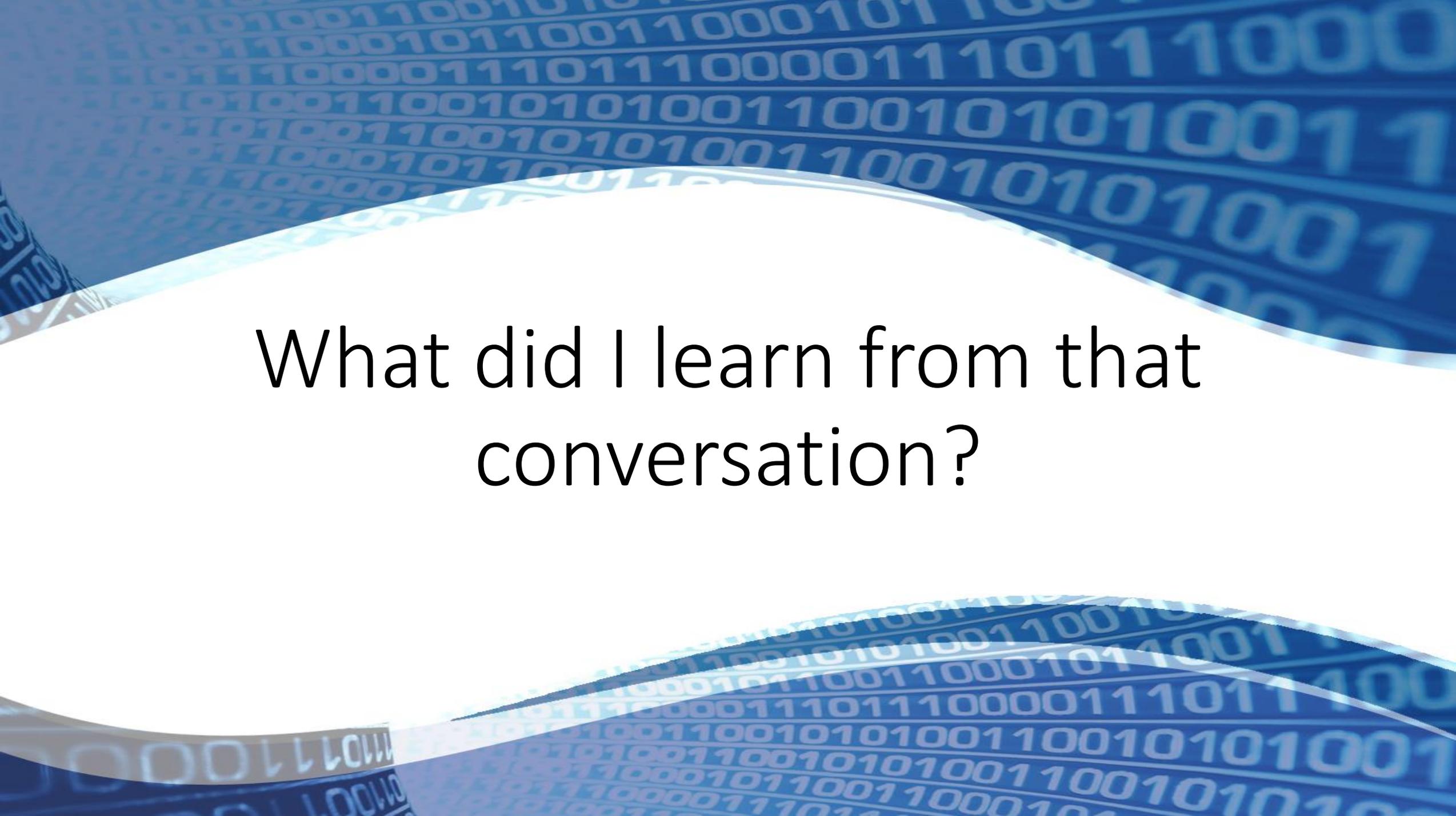




Messages from CEO

- I have been invested a lot of money to upgrade my factory, is my factory compliance to Industry 4.0 standard?
- We collecting Big Data, but how to use it?
- Why I have to pay extra money for addition service? 'automation' should able to fix everything?
- I expected to increase revenue after upgrade my facilities, why still not?

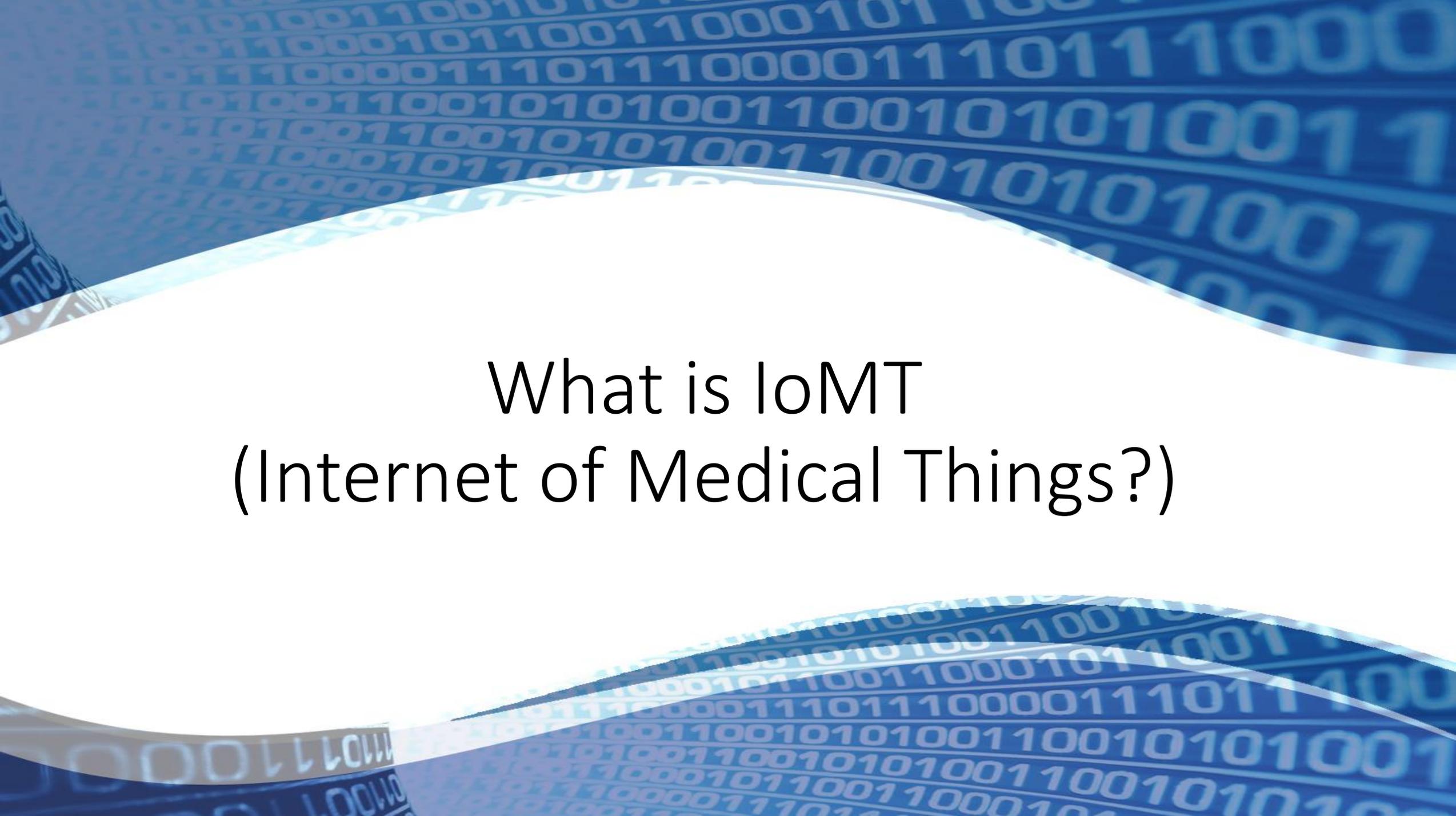




What did I learn from that conversation?

- There is no one-off solution
- Is the technology offering solution? Or generating problem?
- What is the knowledge required?



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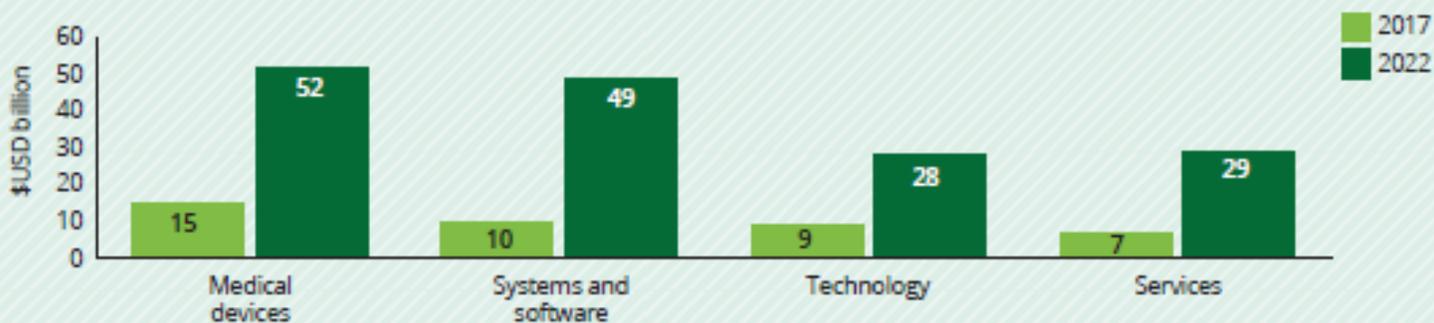
What is IoMT (Internet of Medical Things?)

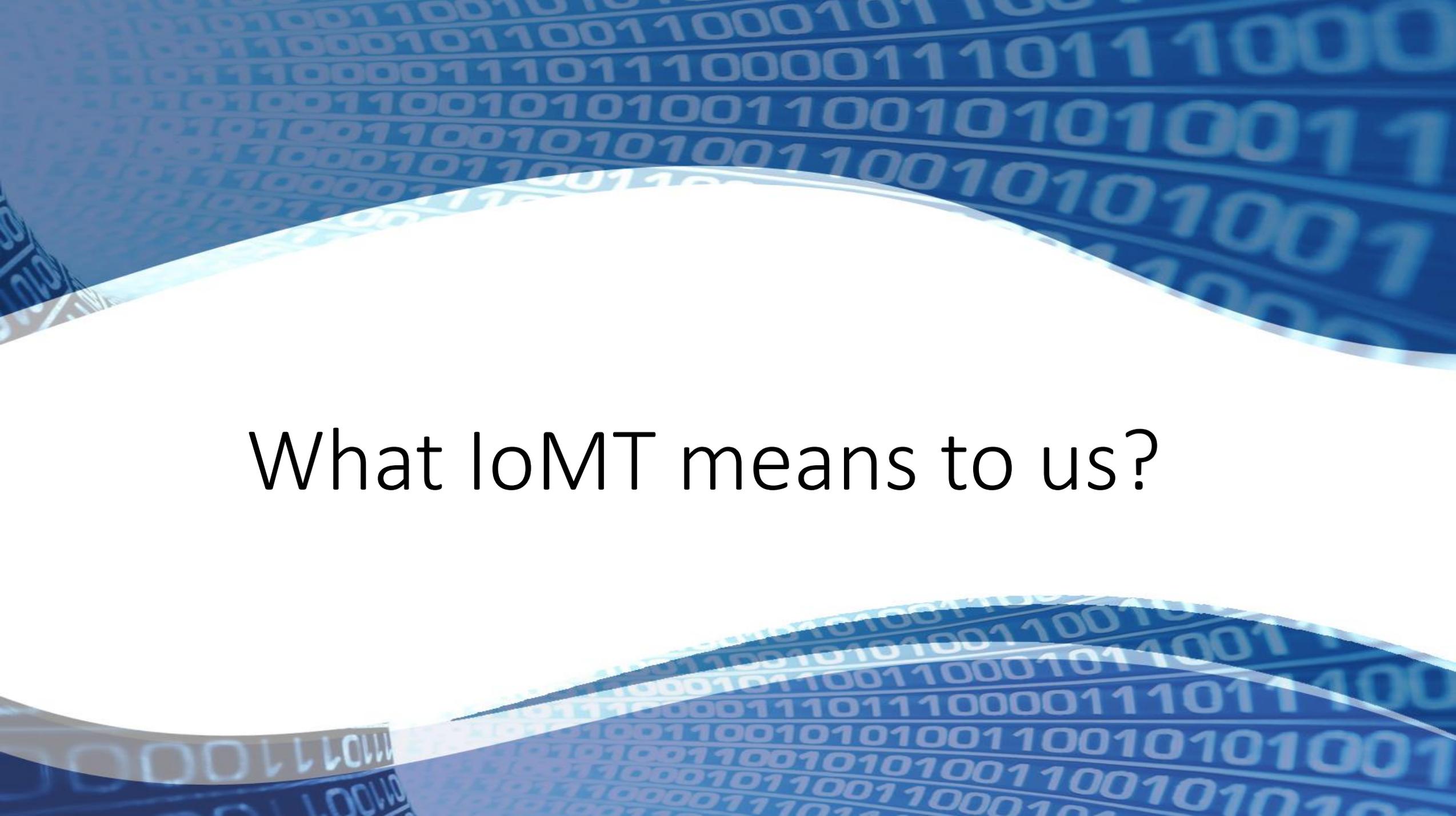
IoMT or internet of medical things is a sub division of IOT which deals with **interconnected medical devices/ equipment** and **Medicare connected to Healthcare IT**. Medical devices equipped with Wi-Fi or Near field communication technology allow machine to machine **communication** that is the basis of IoMT.



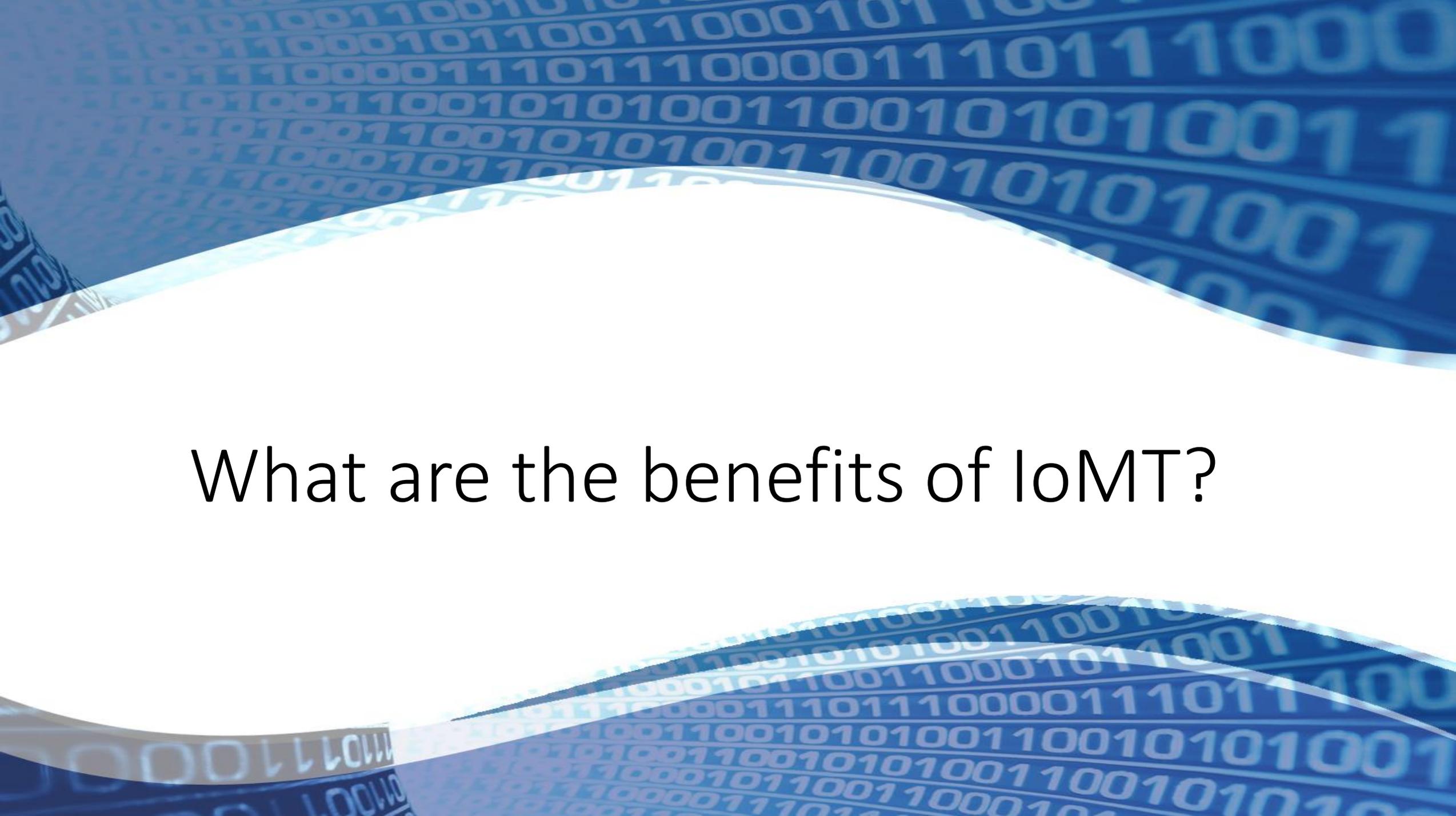
Significant IoMT market growth predicted

The overall IoMT market is expected to grow from \$41 billion in 2017 to \$158 billion by 2022

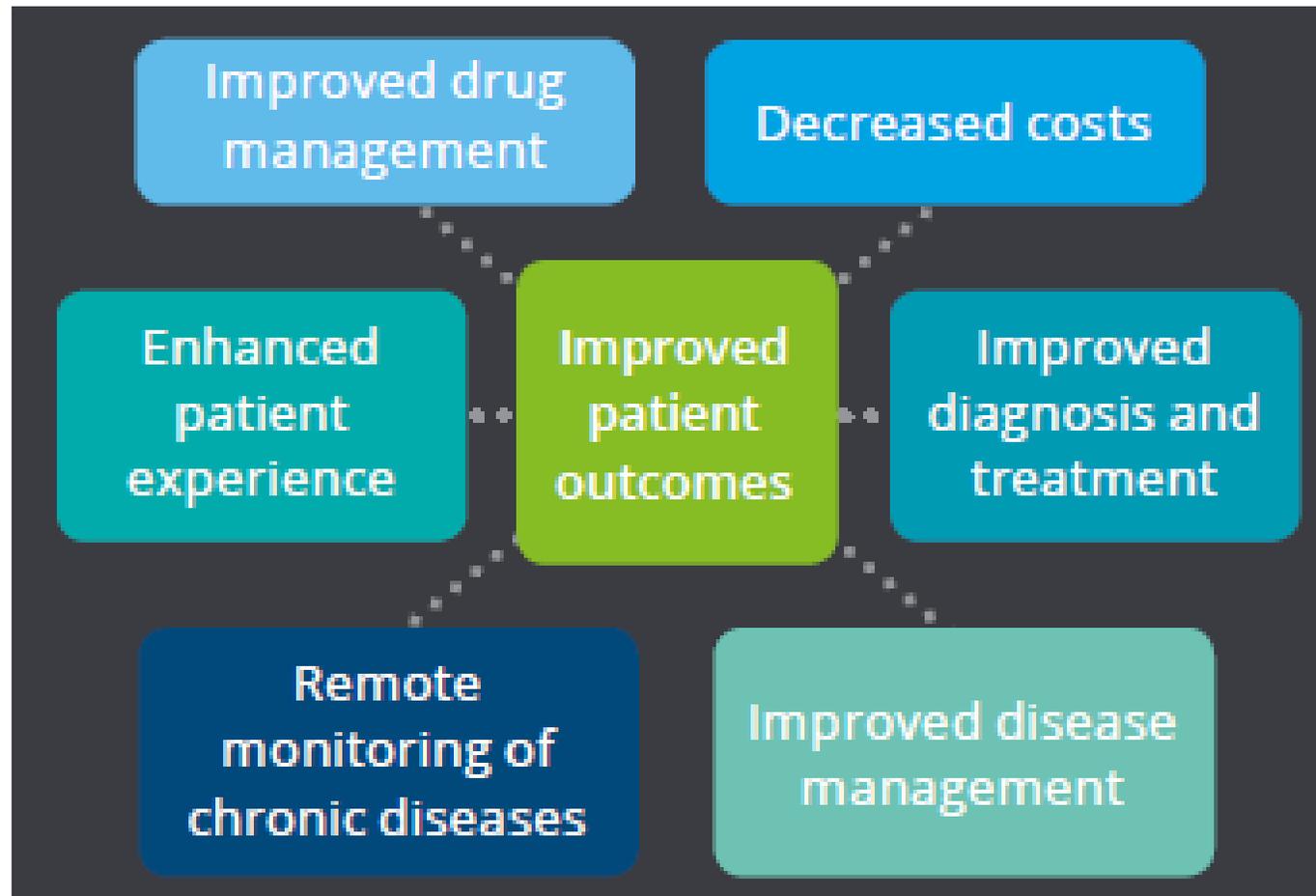




What IoMT means to us?



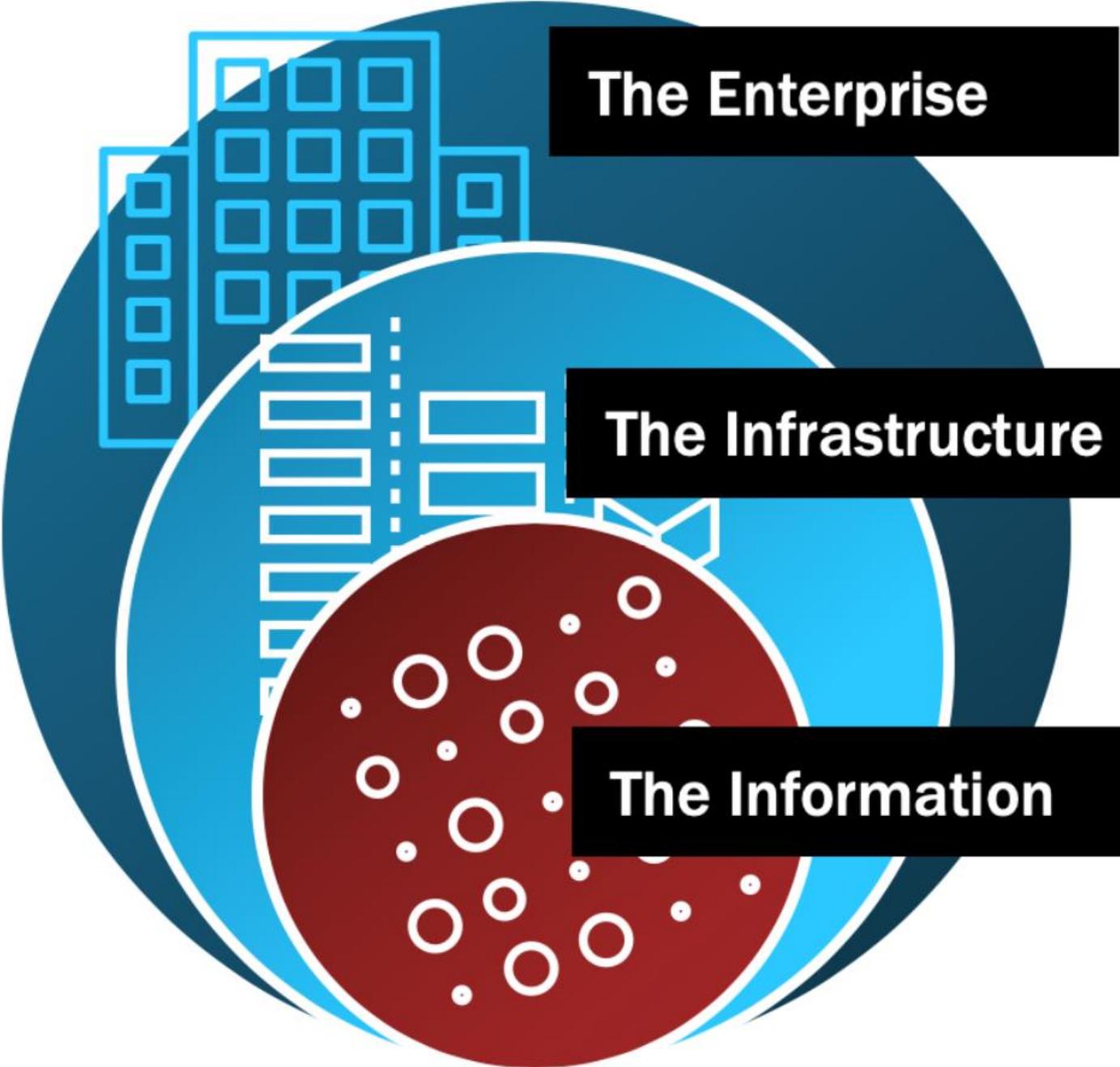
What are the benefits of IoMT?



- Improved treatment outcomes as a result of round-the-clock patient monitoring and care deliverance
- Decreased Medicare costs as real time and remote monitoring of patients is made possible, resulting in
- fewer clinic visits
- Visible improvement in disease management as patients are given care by careful real-time monitoring
- Enhanced patient experience as an individual gets complete and customized treatment and care
- Improved Drug management is another scenario that is possible as a result of IoT growth, where devices
- and applications can assist in drug research, deliverance and adherence.



Are we ready for IoMT?



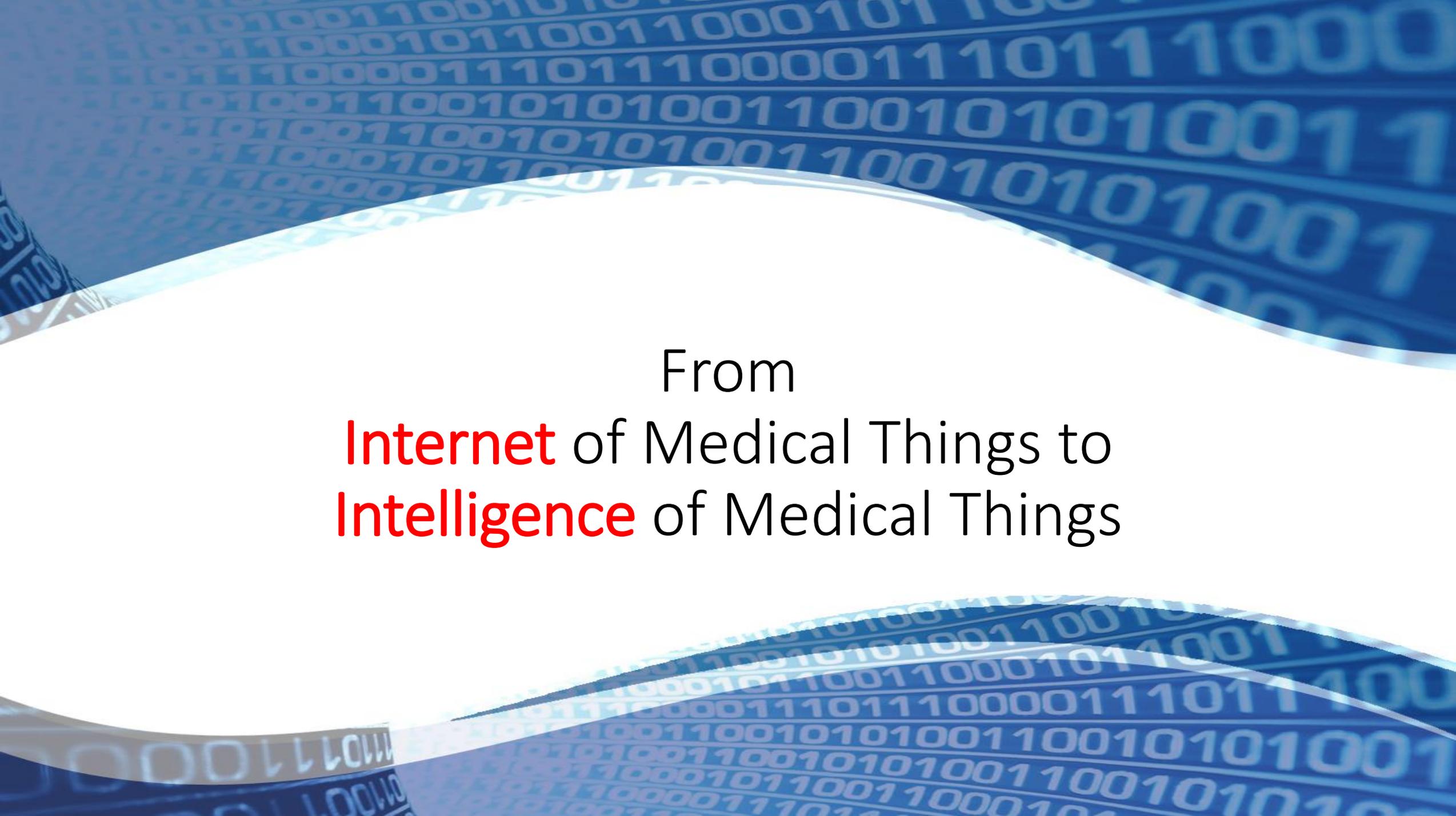
The Enterprise

The Infrastructure

The Information



What do we need for future?

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From
Internet of Medical Things to
Intelligence of Medical Things



Internet



Intelligence

The background features a blue gradient with wavy, ribbon-like shapes. Overlaid on these are horizontal lines of binary code (0s and 1s) in a lighter blue color, creating a digital or data-themed aesthetic.

IOMT Proactive 3P Healthcare Strategy (Prevention, Prediction, Protection)

IoMT for Prevention

NHS's Vision: Long-term plan to focus on prevention 'could save 500,000 lives'



IoMT for Prediction



PredictionHealth
smarter healthcare

IoMT for Protection

