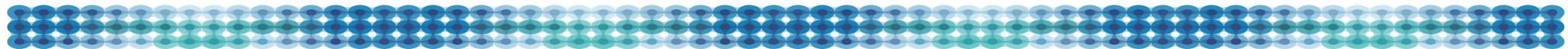# Technology driven trading
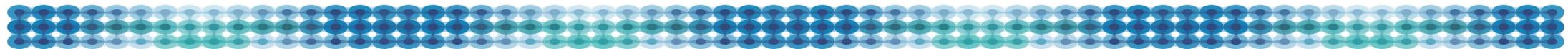
Taylan Özgür Toygarlar

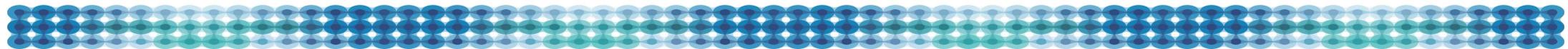Date

Outline

- Why are we here?

- What we do?

- How we do it?
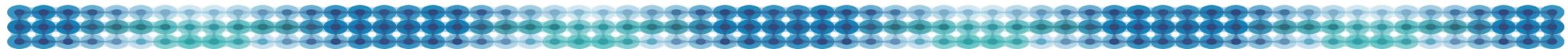
- What's more to come?

Why are we here?

- NetFPGA is the one and only open platform for network hardware research

- IMC benefits highly from technological innovation in this field

- We collaborate closely with top network hardware vendors

- We have interesting problems for curious minds

What we do?

- IMC is a leading market-maker in more than 100 regulated exchanges
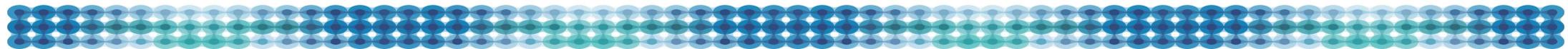
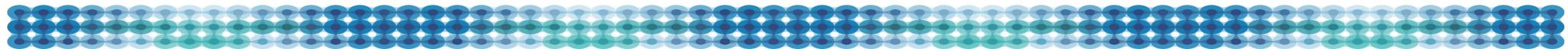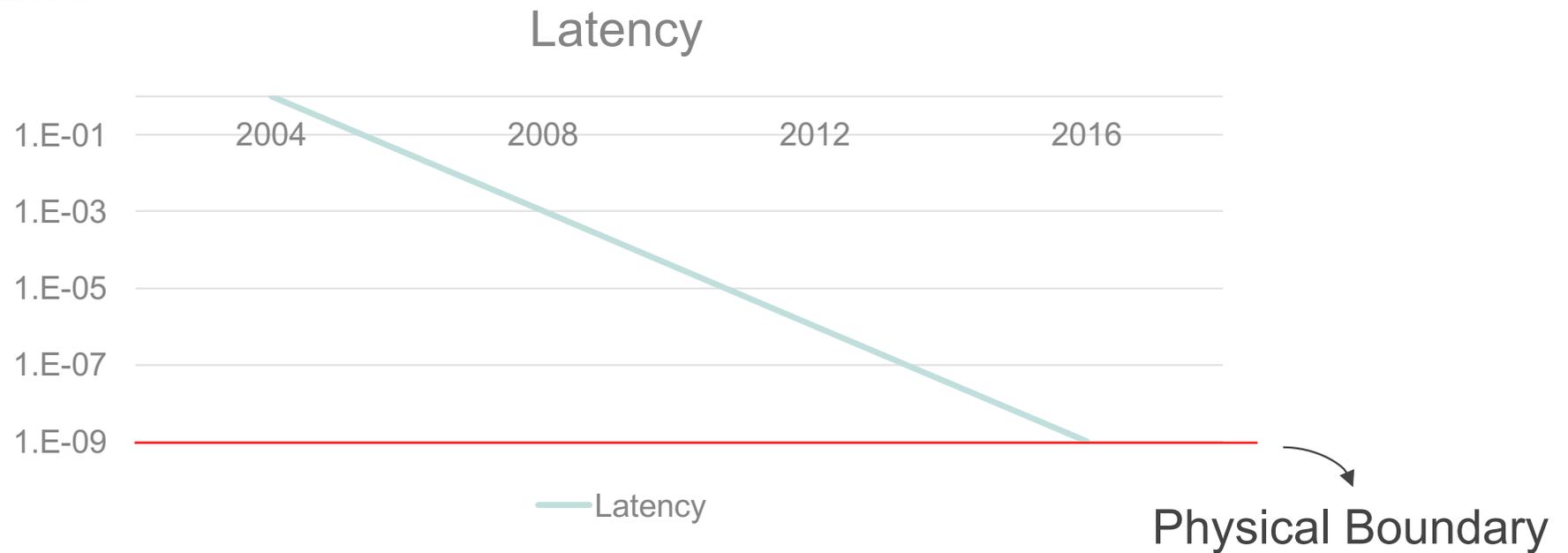- What is market-making?

What Is Market Making?

What we do?

- IMC is a leading market-maker in more than 100 regulated exchanges

- What is market-making?

- We are actively trading Stocks, ETFs, Options, Futures
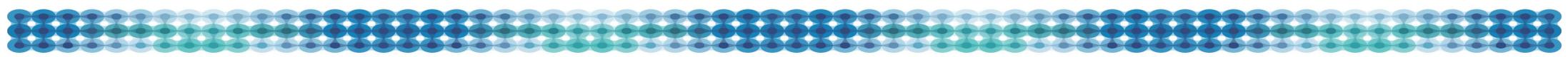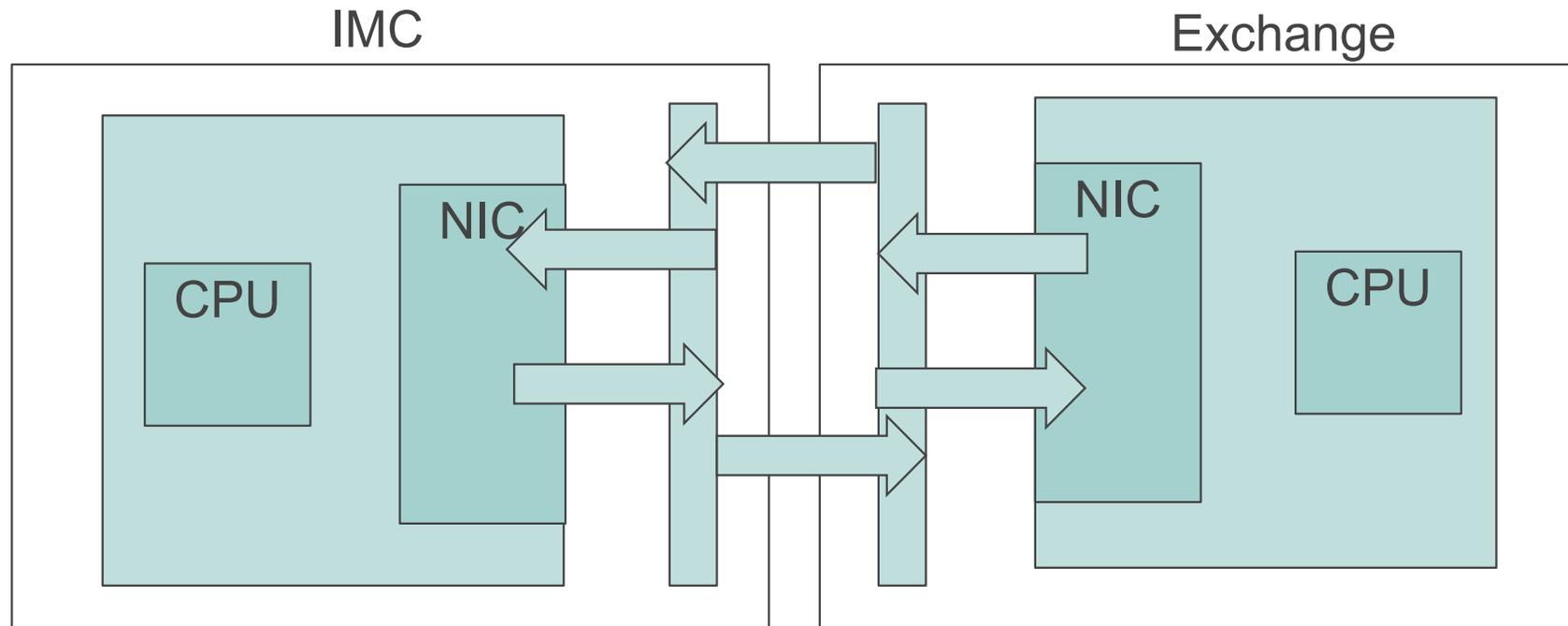
- Risk neutral strategies

How we do it?

- We use our technological edge to make markets

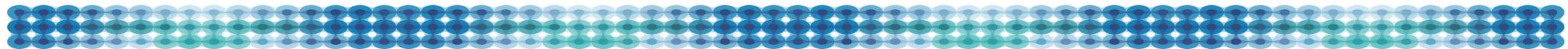- Sustainable business based on efficient and regulated markets with fair level playing field

Latency

Physical Boundary

How we do it?

- We use our technological edge to make-markets

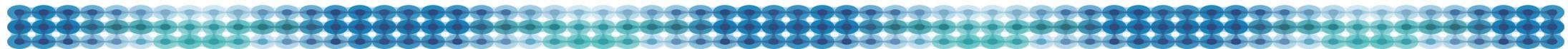- Faster networks, faster computing and faster infrastructure

How we do it?

- We use our technological edge to make-markets

- Faster networks, faster computing and faster infrastructure

- Highly optimized software running on overclocked machines, supported by dedicated hardware
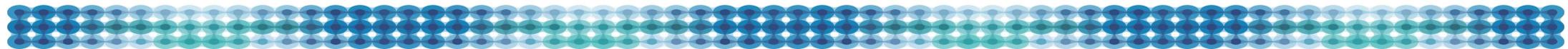
- However, the game is changing

How we do it?

- Time-to-market is a huge driving factor for innovation

- We have a fundamentally different approach to hardware development
  - Release often, release fast
  - Use agile methodology

- Fully automated release cycle
  - Functional verification
  - Regression and integration tests

What's more to come?

- Being the first and fastest is not enough

- Nature of the business requires constant innovation

- We are positioned to become smartest of the pack

- Huge investment in people and algorithms

- Hardware accelerated ML

Q&A