Open. Together.
Zaid Ali Khan
Head of Infrastructure Engineering
LinkedIn
Enabling High Density Computing Through Open19 Technology

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LinkedIn Platform Impact

- 100M Job Applications every month
- 610 M Members across 200 countries
- + 35% y/y messages sent
- 13500 Online Learning courses
- 2 New Sign-ups per second
- 4 M confirmed hires in last 12 months
LinkedIn and OCP

• Joined SONiC community Dec 2017
• Joined OCP May 2018
Open19 specifications are now contributed to OCP
Why Open19 Technology

- Addressing small to large scale data centers
- High compute node density
- Standard 19” rack solution
- Disaggregation
Open19 Technology

- Double High Brick
- Double Wide Brick
- Brick
- Power Shelf
- Network Switch
- Brick Cage
Open19 Technology

Blind mate
400w power cables

Blind mate
100G data cables
Open19 live in production @LinkedIn
Olympus Project and Open19
Open19 Technology Benefits

- **Any 19” Rack**: Standard 19” rack
  - Any Location

- **Integration**: 5-6X faster rack level integration
  - Extremely simple cabling

- **Redundancy**: A/B 2N power
  - No central controllers
  - Per server monitoring

- **Efficiency**: Zero server power supplies
  - 96% power conservation

- **Cost**: Rack level savings
  - Solution savings

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Open. Together.
Open19 Technology Partners

Celestica™  flex  molex  DELTA

Amphenol  inspur  wiwynn®
Future

- Edge Computing Solution
- Server Solution
- Liquid Cooling