FiberSmart

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DATA CENTER USE CASE – COLO MEET ME ROOM (MMR)

A Meet-Me Room (MMR) is a region within a CoLo or colocation center where telecommunication companies can physically connect to one another and exchange data without the cost of local loop fees.

The data center colocation market was valued at USD 31.39 billion in 2019 and is expected to reach a value of USD 58.28 billion by 2025, at a CAGR of 10.92% over the forecast period (2020 - 2025).

Pain points

There are four major areas that MMR for data centers encounter pain points:

- Operational problems
- Service limitations
- Slow response time
- Errors

Operationally, when connecting optical fibers, the interconnections within the MMR can easily become tangled during reconfiguration. Since connections involve physical links that connect internal resources with external links, connections are typically made manually and take 1 – 3 weeks to schedule and implement.

Optical fiber is delicate and sensitive to bending and it requires a lot of care when handled by humans. This can lead to a lot of errors, destroying, or damage interconnects within the MMR. Up to 75% of connections require a second manual intervention to correct signal polarity. Each physical change is charged to the end customer.

Solution

✓ ROME robotics automate the processes in the MMR to manage the physical layer for troubleshooting, network performance and security monitoring, reconfiguration of interconnections in the MMR, and security checks.

✓ ROME Automation allows connections to be made automatically in < 1 min, with no human intervention, and can make immediate polarity corrections.

✓ A Leading CoLo operator makes 18 XCs a day on average

✓ In terms of speed, ROME allows for speedy restoration of services, migration, DevOps, and service provisioning within minutes. This eliminates unnecessary calls at late hours, eliminates damaged or dirty connectors, reduces the risk of outages, reduces financial penalties, and eliminates human errors.

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