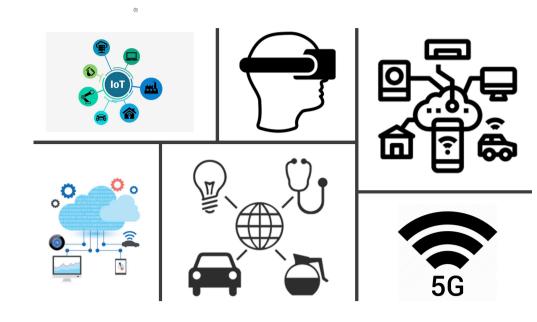
SIMPLIFYING IP NETWORKS

BUSINESS IMPACT ON NETWORK EVOLUTION OF IP NETWORKS

THE NEED FOR A NEW APPROACH TO IP NETWORKS



CIENA PARTNERED WITH ACG RESEARCH TO APPLY BUSINESS MODELING TO THE EVOLUTION OF IP NETWORKS ENABLE BY THE CIENA ADAPTIVE IP SOLUTION



NEW APPLICATIONS REQUIRED A DIFFERENT APPROACH TO DELIVERING STANDARD-BASE IP CONNECTIVITY





TODAY'S OPERATOR CHALLENGES

New application requirements

- More bandwidth
- Low latency

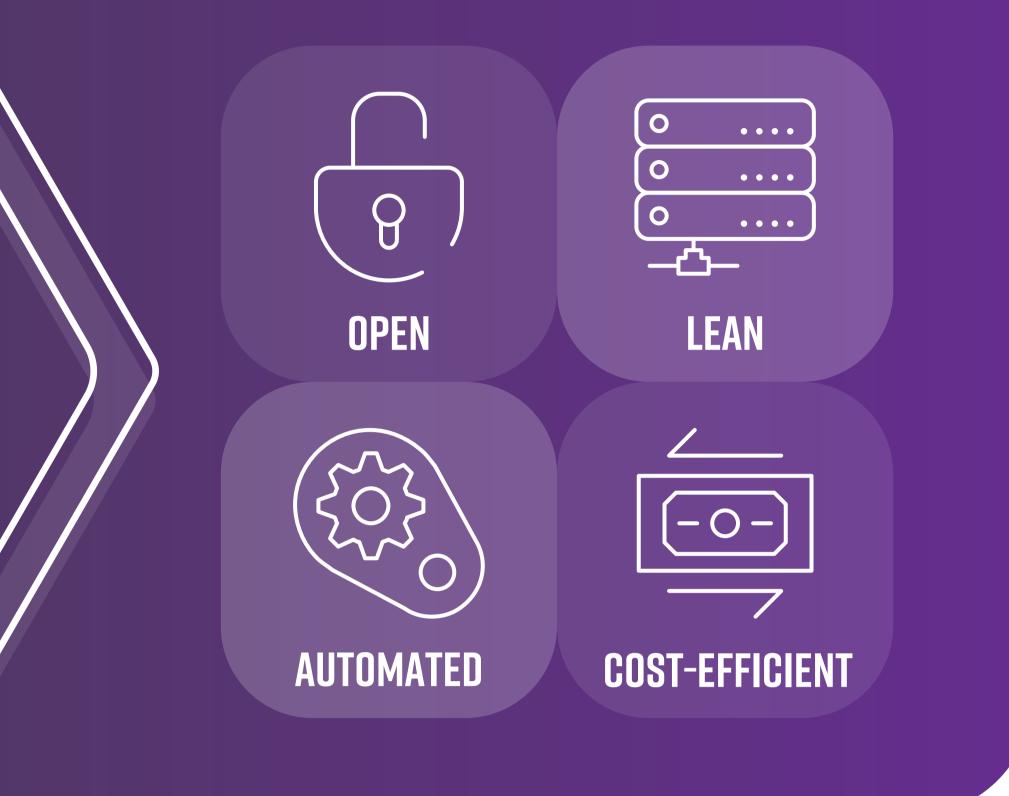
Network impact

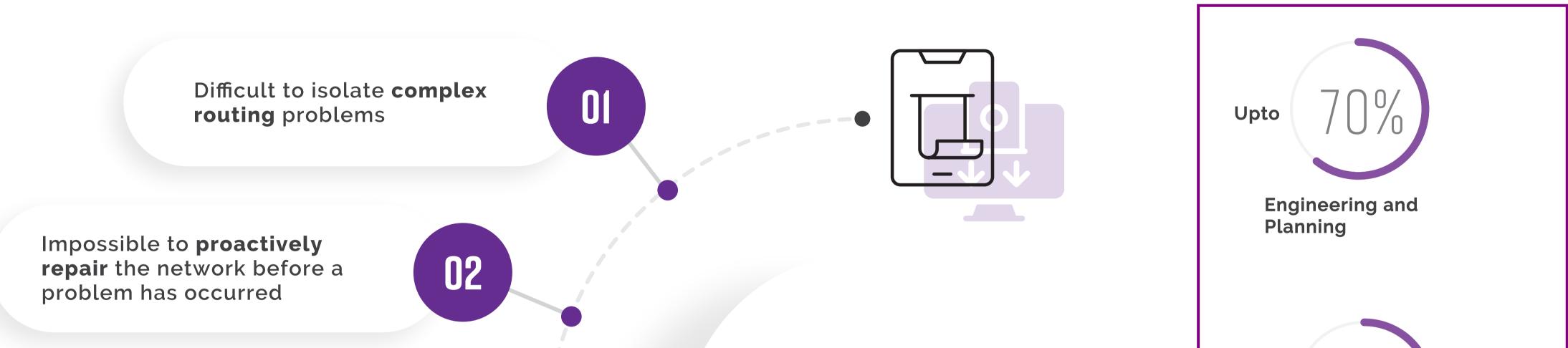
- Emergence of edge computing & telco cloud
- Network densification to support 5G mmWave

Operational constrains or limitations

- Too many manual processes
- Siloed operation
- **Box-based decision making**

FUTURE MODE OPERATION

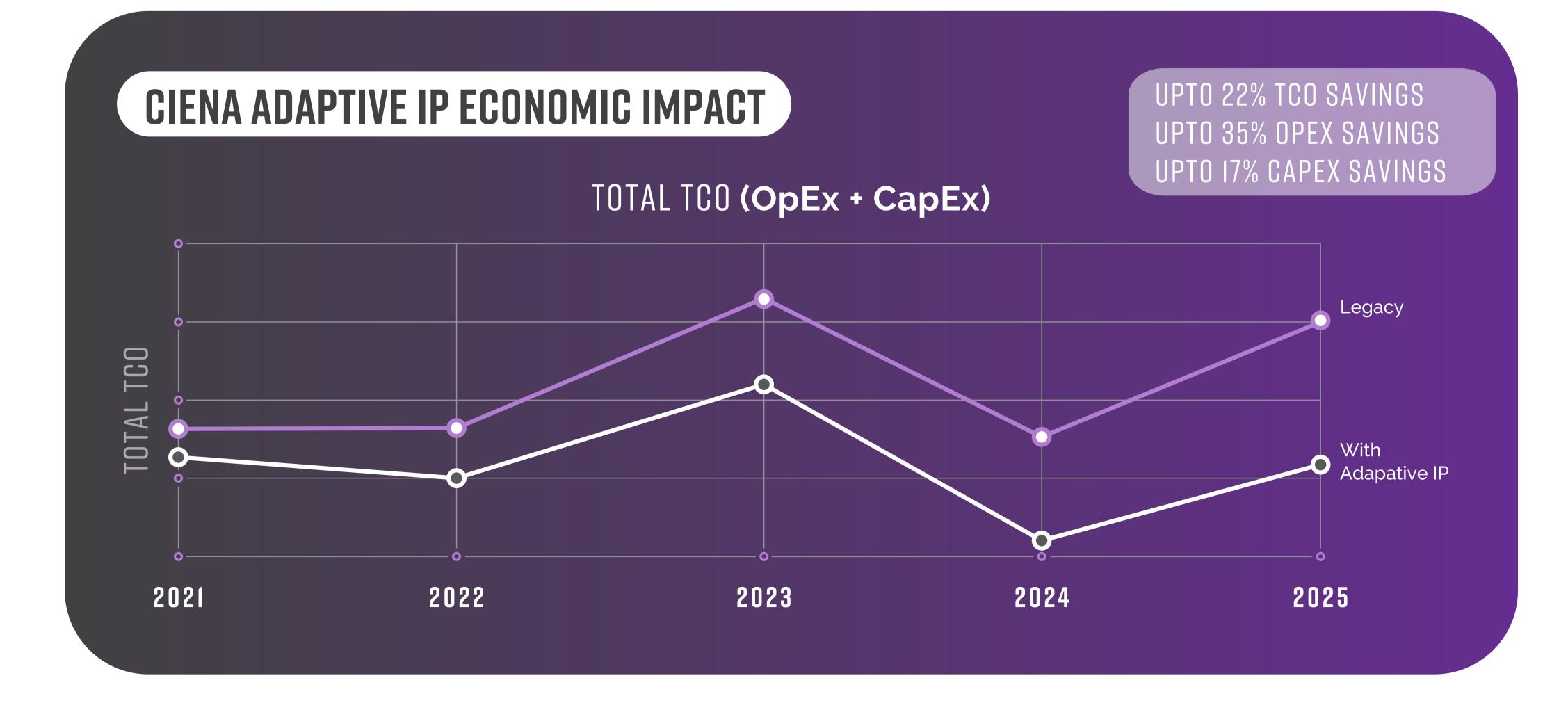








GENERATE MORE REVENUE WITH THE SAME INFRASTRUCTURE



The business model outcomes are based on the evolution of IP networks to support 5G use cases



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