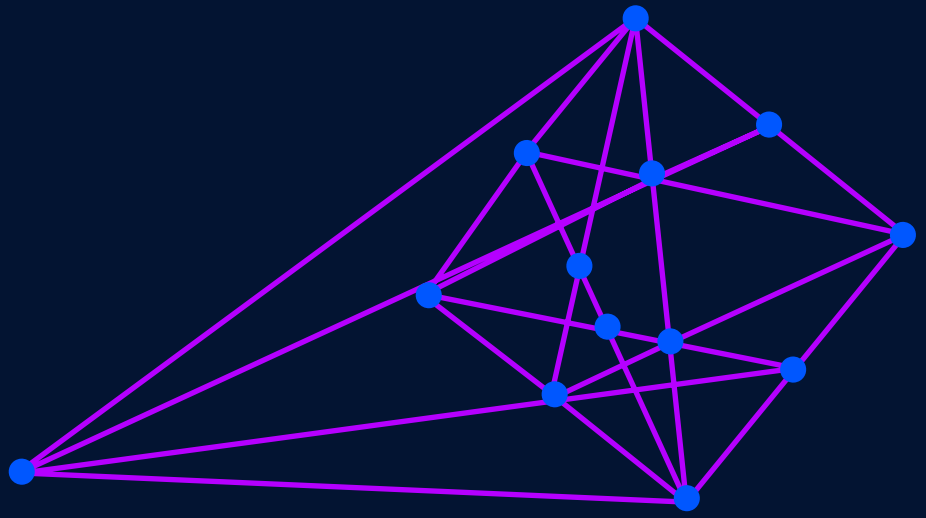


PREDICTIVE MAINTENANCE (PdM)



ELASTIC ANALYTICS TO SUPPORT NETWORK UPTIME

As networks become more complex, network operators must learn to change their modus operandi. Manual processes which are part and parcel of network operations are time consuming, error-prone and ineffective. Comprehensive, timely and dependable analyses are crucial to making informed choices. ECI's Predictive Maintenance enables network operators to make proactive, knowledge-driven choices to preempt network faults, improve service availability, and improve customer experience. Benefits include:



**Improve Network
Availability & Performance**



**Automate Manual
Processes**



**Prioritize Activities to
Align w/Risk Grading**



The predictive maintenance service routinely audits, tracks and analyzes the health status of every ECI network element, at the embedded level. This comprehensive and thorough audit provides a daily, real-time network performance diagnosis. The service also provides a prioritized list of network faults with recommended corrective actions which if followed will provide optimal results..



The Results:

Reduce Failures

- Predict emerging service and hardware failures

Improve Inventory Management

- Track card replacements

Improve Network Availability

- Identify fluctuating faults such as card resets/BIT/alarms
- Multiple card failures
- Optical measurements
- DCC/Timing/DCN design faults
- Validating MSPL/MSPRing/IOP protection schemes

Track and Discover Trends

- Relative comparison of dynamic counters (I.E. DCC/FICB/Data)
- Temperature/Power/Utilization measurements
- Running duration is used to identify unknown failures
- Fully opened environment to easily modify final report



Make Educated Decisions with ECI's Predictive Maintenance

Case studies:

Success Stories	Country	Selective examples of Elastic Analytics Success Stories
DCN re-grooming	Philippines	An audit was conducted to categorize alarm types (on-site visit required, remote deactivation, hardware replacement required, etc.) and build an action plan for planning and re-engineering a DCN network.
Preventive strategy	India	Advanced analytics improved the network performance, throughput, availability and reliability and thus improved profitability.

Contact us to find out how Predictive Maintenance can help you improve network uptime

ABOUT ECI



ECI is a global provider of ELASTIC network solutions to CSPs, critical industries, and data center operators. With the advent of 5G, IoT, and smart everything, traffic demands are increasing dramatically, and network operators must make smart choices as they evolve their infrastructure. ECI's Elastic Services Platform leverages our programmable packet and optical networking solutions, along with our service-driven software suite and virtualization capabilities, to provide a robust yet flexible solution for any application. ECI solutions are tailored for the needs of today, yet flexible enough to meet the challenges of tomorrow. For more information, visit us at www.ecitele.com.