

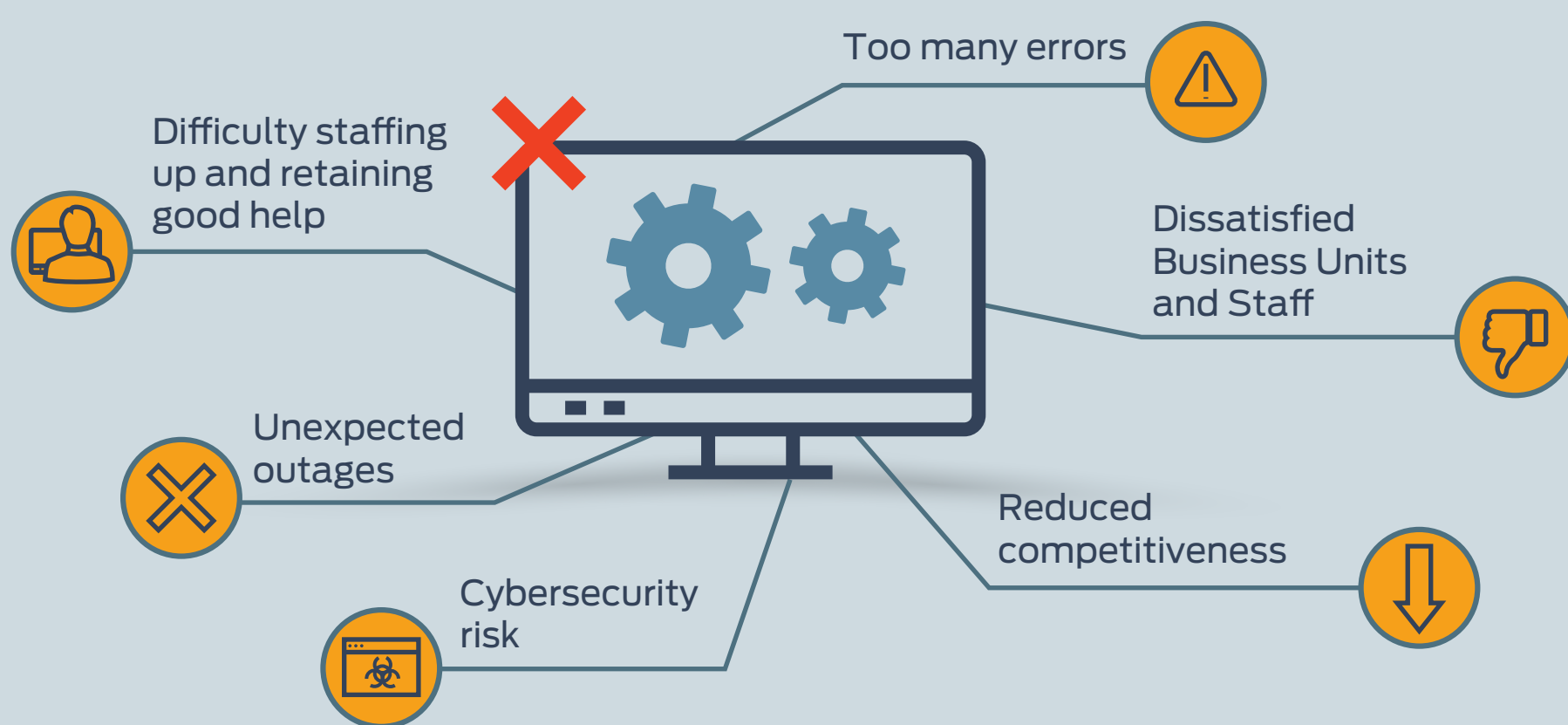
# 4 Reasons to Automate Your Network



Automation is the cornerstone strategy for energy companies looking to increase network agility, reliability, and mitigate cybersecurity risk.

Expectations to operate a network efficiently and effectively across multiple business units and technology domains never stops. But network operation teams still tend to rely on manual “error-prone” processes. The probability of errors only increases with number of teams, network scale and complexity. And the sophistication of cybersecurity threats never stops.

## WHAT ARE THE RISKS OF **NOT** AUTOMATING?



## WHY AUTOMATE NOW?

### REASON

# 1

## Improve Resiliency

By reallocating human touches away from each network component and to automating network processes, network operations will become more strategic and the network will operate with more consistency and fewer errors. Even problem resolution and troubleshooting processes can be automated.

Non-automated networks experience **5 to 6 errors per month**, on average.<sup>1</sup>



### REASON

# 2

## Lower Your Costs

Precisely because automation masks the complexities of the underlying infrastructure—dramatically fewer person-hours are required for network operations because the provisioning, managing, and orchestrating of network services have all been simplified—your operating expenses are immediately lower.



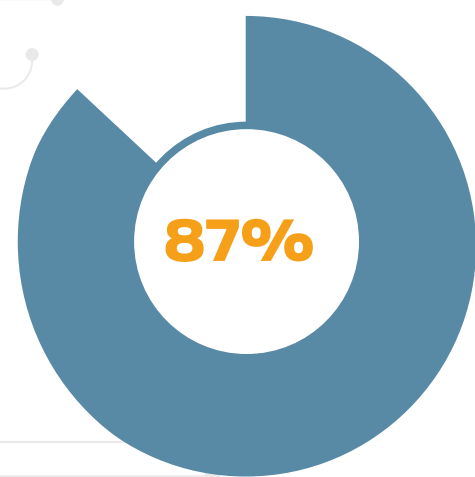
of daily network administrative tasks have been automated. **This leads to higher costs.**

### REASON

# 3

## Free Your Staff For More Strategic Work

First and foremost, your staff is already overstretched. And the majority of their time and energy is spent on tactical tasks to keep the business running. By reducing the effort spent on repetitive and mundane, manual tasks, you free up resources to work on higher-order tasks, such as driving improvements in application delivery.



of IT leaders in the 2017 State of the CIO survey say their role is becoming more challenging. Many say they struggle to find the right balance between operations and innovation.<sup>2</sup>

### REASON

# 4

## Enable Your Institution to Be More Agile and Competitive

Network automation helps make IT operations more responsive to change with the use of analytics. You understand network performance much more precisely. Network automation can add speed to network operations during mergers, acquisitions and divestitures.



of organizations experience **network errors caused by human mistakes** on a regular basis.

## CONCLUSION

User performance expectations, support for new advanced applications and cybersecurity threats will never stop. These are critical assets to IT. OT operations adopted automation many years ago to minimize error-prone processes to manage critical field assets that drive exploration, production, transportation and refining.

Automate your network to satisfy your critical assets.

**Engineering. Simplicity.**

For more information about the self-driving network, visit [juniper.net/us/en/solutions/energy/oil-gas/](http://juniper.net/us/en/solutions/energy/oil-gas/)

Data sources:  
<sup>1</sup>Juniper Networks: Four Reasons to Automate Your Network Right Now  
<sup>2</sup>2017 State of the CIO survey