

Cytex™

by Broadstone Technologies

The Evolving Technology Landscape

The proliferation of connected devices and cloud apps has created new network connectivity options freeing people from the traditional office environment. Work has shifted from the office to work from home, co-working spaces, coffee shops, and hotel lobbies increasing worker productivity. While this new model of work has contributed to increased efficiency it has also rendered the perimeter-based firewall defense useless.

Cybercriminals have been paying attention and are now becoming more creative in how they design their attacks using increasingly sophisticated methods like spear phishing and social engineering, to exploit network vulnerabilities. These exploits are not limited to traditional computers but target cloud apps, on-premise apps, and connected devices ranging from routers, smartphones, cameras, smart watches, and even cars.

90%

malware uses DNS
in attacks¹

68%

organizations
don't monitor DNS¹



Cytex Defense

Cytex takes a holistic view of cybersecurity and compliance challenges faced by SMBs. Cytex was developed by experienced cybersecurity professionals from the ground to the cloud addressing the needs of SMBs in today's challenging environment.

Cytex is easy to deploy, and can be setup quickly with minimal effort. The intuitive user-interface is accessible through any modern browser. Since all of the processing is performed in the cloud, Cytex can be deployed for multiple branch offices and authorized users can securely access the information from anywhere.

Using a machine learning algorithm, Cytex continuously monitors for cyber risks and blocks any malicious threats. Cytex keeps false-positive alerts to a minimum to reduce alert fatigue.

54%

SMBs don't think they will be attacked²

\$6T

damages by 2021 from cyber attacks³

90%

SMBs don't have cyber insurance⁴



Identity Management

Cytex provides a comprehensive identity management solution that supports Single Sign On (SSO) with cloud applications, role-based access control, and a modern smart phone multifactor authentication.

The multifactor authentication through employee's devices further strengthens the sign on process. The authenticator app is supported on both iOS and Android platforms. The user-friendly authenticator app allows organizations to protect data assets at scale, verify user trust, and enforce adaptive contextual access policies.

24%

organizations have overly broad IAM permissions⁸

49%

organizations lack adequate ID controls⁸



Cloud Apps

As bring-your-own-device (BYOD), remote work, and work-from-home (WFH) become the new normal, employees sharing of files through cloud apps has increased exponentially. These applications provide the convenience of accessing files from anywhere but also bring new threats and risks. Improperly shared files with sensitive information will lead to data breaches and result in punitive damages to an SMB.

Cytex provides out of the box Data Loss Prevention for Dropbox, Amazon S3, Office365, OneDrive, and Google Drive. SMBs can safely utilize the convenience of these cloud services while minimizing the risk of data loss, data breaches, and insider threats.

52%

data security breaches occur due to human error⁷

66%

SMBs are concerned about compromising customer²



Cybersecurity Training

Humans are the weakest link in the cybersecurity chain. Ongoing compliance training to understand the latest threats related to zero day vulnerabilities or phishing attacks are an essential part of any compliance program.

By using techniques from behavioral economics, Cytex provides an integrated phishing simulator with a continuously updated training library that can be used to provide ongoing employee compliance and risk mitigation training.

30%

phishing emails bypass security measures⁵

94%

malware received through emails⁵



Supply Chain Security

Data supply chain cyber risk is increasing as organizations undergo digital transformation and become more connected. In a supply chain attack, cybercriminals target and exploit a vulnerability in one of the underlying products in use or exploit the weak security posture of a data partner to gain access to an organization's data assets.

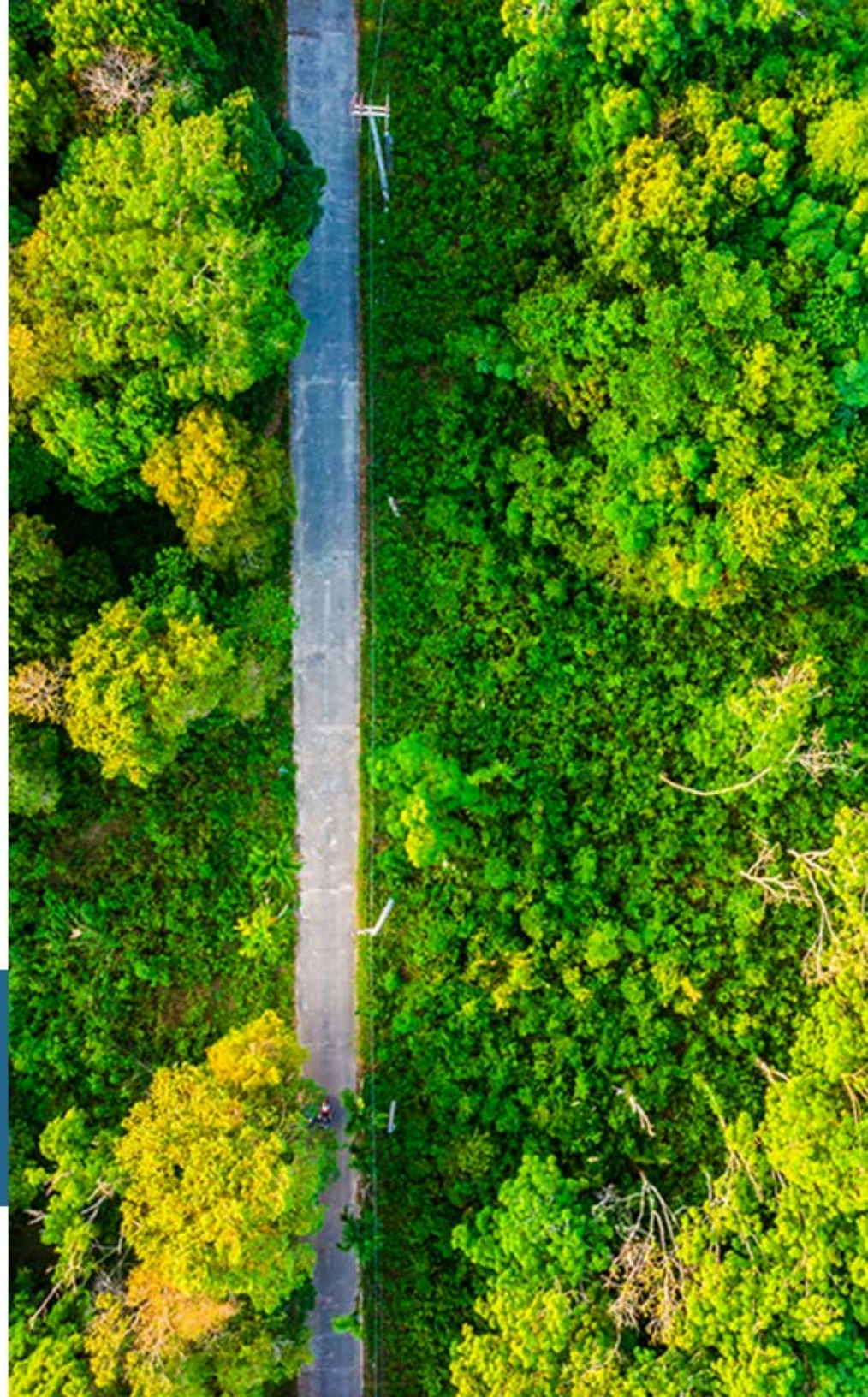
Cytex empowers organizations to gain visibility into its data supply chain, assess the risk posture of its partners, and evaluate the impact of a cyber event.

30%

increase in
cyberattacks⁹

59%

companies experienced a
third-party data breach¹⁰

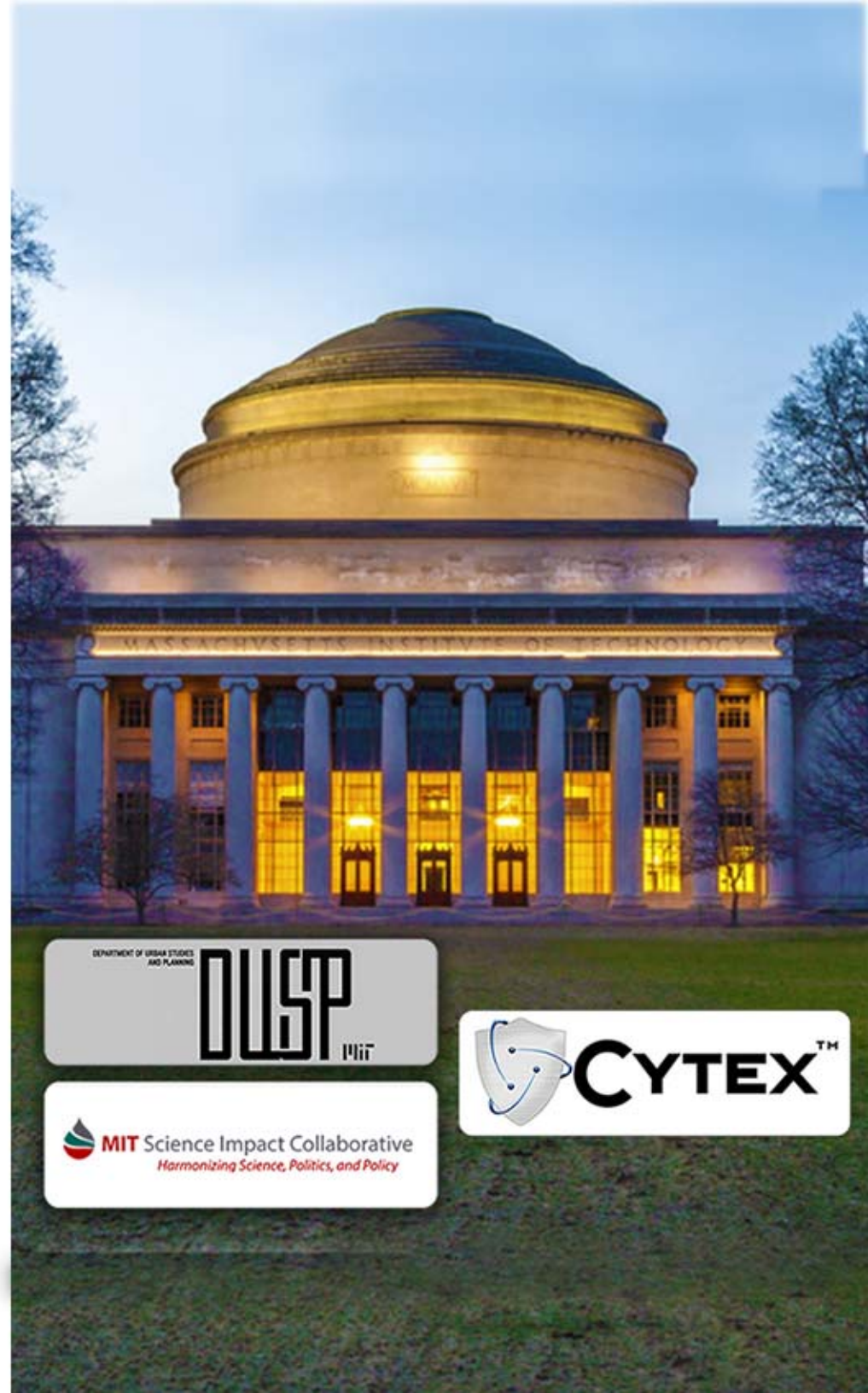


Regulatory Compliance

The regulatory compliance is becoming increasingly complex with regulations attributed to certain geographies and industry segments. The regulatory bodies are imposing stringent financial penalties for violations. Cytex makes it easy to achieve compliance through its built-in audit modules for **FINRA**, **NIST**, **GDPR**, **CCPA**, and **HIPAA**.

Critical Infrastructure Security

Massachusetts Institute of Technology (MIT) Cybersecurity Clinic and Cytex have teamed up to develop strategies against cyberattacks on cities. By using the Cytex municipality audit framework, MIT cybersecurity clinic members work with public officials to assess vulnerabilities in their critical infrastructure and provide suggestions to reduce the threat surface area.



Mobile Device Management

Cytex Mobile Device Management (MDM) enables organizations to setup, inventory, manage, and protect mobile devices. Cytex MDM empowers organizations to easily support and scale their BYOD rollout, including enforcement of organizational device security policies, app distribution, and handling lost or stolen devices.

47%

companies lack device management logistics¹¹

69%

organizations have enabled BYOD¹¹





We are a group of technologists and serial entrepreneurs working to solve interesting problems.

Mission

Our mission is to augment human capabilities by creating useful technology solutions that have a positive impact on productivity and enhance quality of life.

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References

1. Cisco Security Research.
2. Ponemon research (Keeper) - Global State of Cybersecurity in SMBs.
3. Hackerpocalypse: A Cybercrime Revelation - Cybersecurity Ventures.
4. Cyber Crime Survey - Insurance Bee.
5. Verizon DBIR 2019.
6. US National Cyber Security Alliance.
7. IDG's Global State of Information Security Survey.
8. State of Cloud Security Survey by Fugue.
9. Attack Detection Report - Cyber Security Cloud Co, Inc.
10. Data Risk in the Third-Party Ecosystem: Third Annual Study - Opus & Ponemon Institute.
11. Bitglass' 2020 Personal Device Report.