



## Securing Critical Data and Operations For **A Leading Fusion Energy Research Company**

### **ColorTokens keeps this organization breach-free for 5 years**

ColorTokens is engaged with a leading fusion energy research organization. For purposes of security, we will not identify the organization, however it's one of the few global contenders for making clean nuclear fusion energy a commercial reality. For the last 5 years, Colortokens has deployed its cybersecurity software to protect critical data and computer systems from their biggest threats – modern ransomware attacks and research data exfiltration. The company has not experienced a breach during these last 5 years.

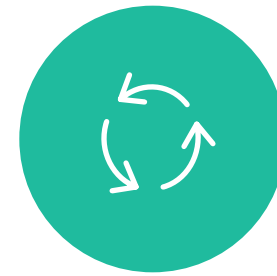
Developing the fusion power plant of tomorrow involves valuable research data, over 50 families of patent information and equipment control systems. A compromise in any of these systems will have a debilitating impact on the organization and its leadership in the field.

Our client has deployed cyber protection on over 300 endpoints and servers. Their systems gather a large quantity of data at every instance the fusion reactor powers up. Furthermore, these systems analyze the data, model simulations of fusion reactions to study varying parameters in their research labs, and control critical machinery and equipment. All of this requires significant computing power. The systems also control parameters that safeguard key operations. The loss of this control will not only disrupt operations but also put lives at risk. Loss of IP information will have national level impact on the research projects.

## Our client's desired outcomes are:



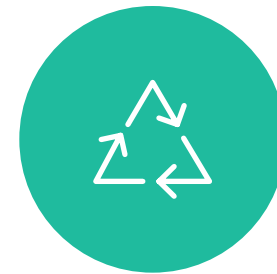
Prevention as opposed to detection of cyber threats



Ensure business continuity



Ultra-high security with minimal impact on computing capacity



Realtime monitoring of any suspicious behavior

## Real-time monitoring and prevention with ColorTokens:

ColorTokens worked with the energy organization to understand their IT systems, end points and their mission critical systems. Xprotect, ColorTokens' cloud-delivered platform which utilizes a preventive Zero Trust framework was a perfect solution to meet our client's objective.

- ColorToken was able to go over and beyond traditional security methods with intelligent algorithms to analyse every running process in their endpoint systems and servers.
- The application processes are constantly analyzed in real time in 4 different ways and uses contextual behavioral analysis to instantly stop suspicious activity and simultaneously generate alerts. And all this with nominal impact on compute or network capacity.
- ColorTokens' Xprotect locks down endpoints and servers with process control enforcement, and quarantines suspected devices until remediation. This was a significant benefit for our client.
- Updates to threat intelligence is seamless, as is update to the XProtect application. This reduces the burden on the IT staff to maintain the security system. Central remote monitoring also reduces the load on the IT team.

## Five years of zero cyber incidents with Xprotect

The leading fusion energy company has been completely secure from cyberattacks in the five years during this engagement with ColorTokens.

**Blocked 141 malicious processes** in past 12 months. Recently, 3 zero day malicious processes which bypass anti-virus and are used for data exfiltration, were blocked by the behavior analysis algorithms.

**Xprotect blocked malicious processes** that would have led to JS injections and command execution vulnerabilities.

**Xprotect blocked 17,800 processes** identified as unallowable due to the organization's policies.

Our threat intel was **automatically updated** with 7,100 variants of IOCs in past 12 months, so our client was protected from these new malware variants.

ColorTokens Inc. is a leading innovator in SaaS-based Zero Trust cybersecurity solutions providing global enterprises with a unique set of products and services for securing applications, data, and users across cloud and hybrid environments. Through its award-winning Xtended ZeroTrust™ Platform and context-aware machine learning-powered technologies, ColorTokens helps businesses accurately assess and improve their security posture dynamically.

As cloud adoption grows, traditional perimeters get redefined, and new attack vectors and threat actors materialize, corporations recognize their security posture needs to reflect their Zero Trust philosophy. ColorTokens' technology allows customers to achieve Zero Trust by utilizing rich, meaningful contextual information about the application, microservice, or protected resource, so customers can apply Zero Trust with as secure of a perimeter as they can. ColorTokens' cloud-based SaaS platform can automatically deploy next-generation security controls and increase security posture dynamically without any new hardware, downtime, reboots, or changes to a client's existing systems.

With a team of over 400 people, ColorTokens has global office locations in San Jose, California; New York; London; Copenhagen, Denmark; and Bengaluru, India. For more information, please visit [www.colortokens.com](http://www.colortokens.com).



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