

Neighborhood Keeper Collective Defense

Opt-In Anonymized Threat and Asset Information Sharing for Dragos Platform Customers

Neighborhood Keeper is a collective defense and community-wide visibility solution that enables a more informed industrial defense by sharing threat intelligence across industries and geographic regions. By participating, each organization's defensive capability is made stronger than what they can achieve on their own. Neighborhood Keeper is a free, opt-in, anonymized information sharing network available to all Dragos Platform customers.

The Problem: Industrial Organizations Are Missing the Context of Collective Defense

Cyber threats targeting industrial control systems (ICS) and operational technology (OT) networks continue to increase in frequency and sophistication, but data collection and analysis is extremely limited for industrial defenders. Adversaries are allowed to move through ICS/OT networks undetected. This ultimately allows them to train and prepare for their next cyber attack.

COMMUNITY CHALLENGES

Why we created Neighborhood Keeper:



LIMITED VISIBILITY

Data collection, analysis, and understanding asset vulnerabilities in an OT environment is challenging.



INCREASED CYBER ATTACKS

ICS-targeted attacks are increasing in frequency and sophistication.

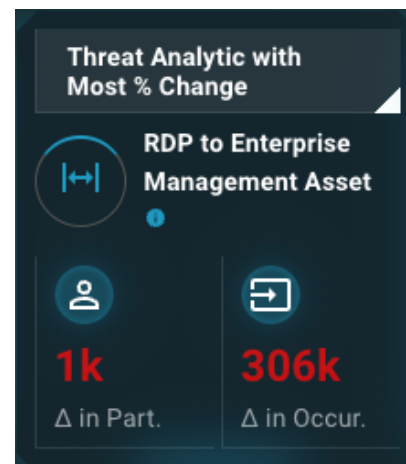
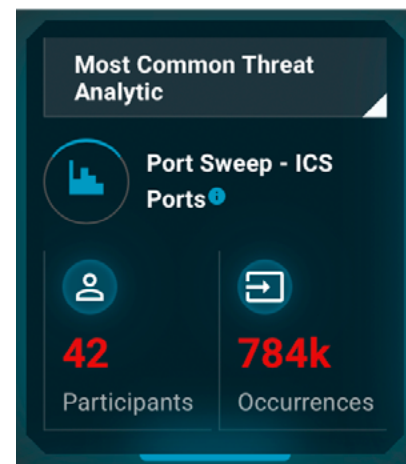
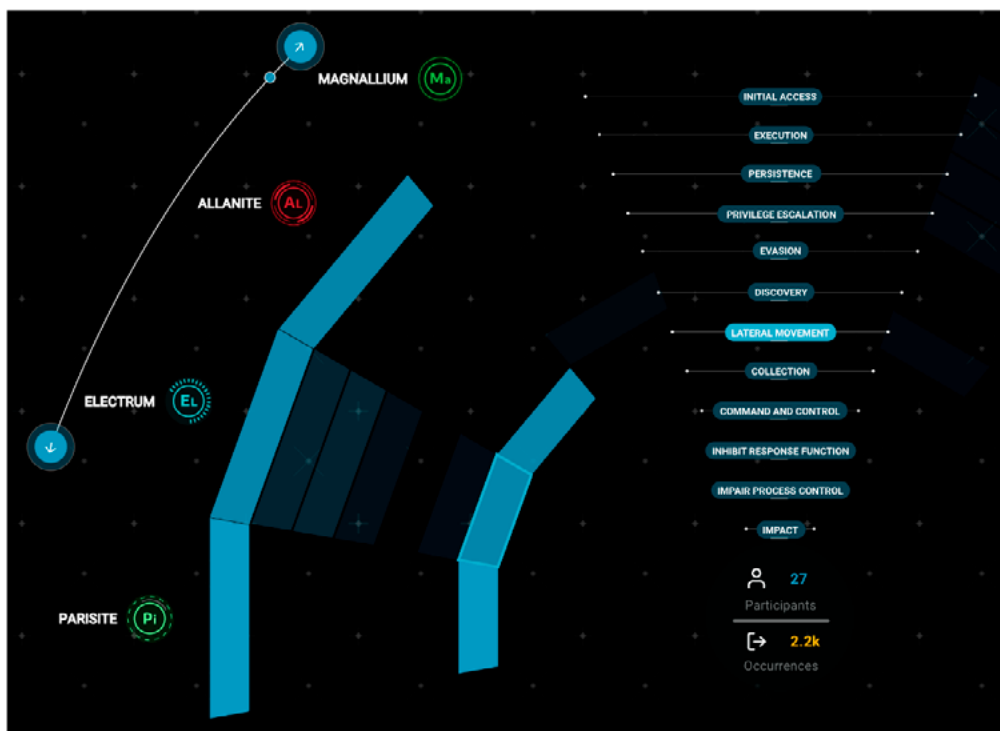


INTEL SHARING STRUGGLES

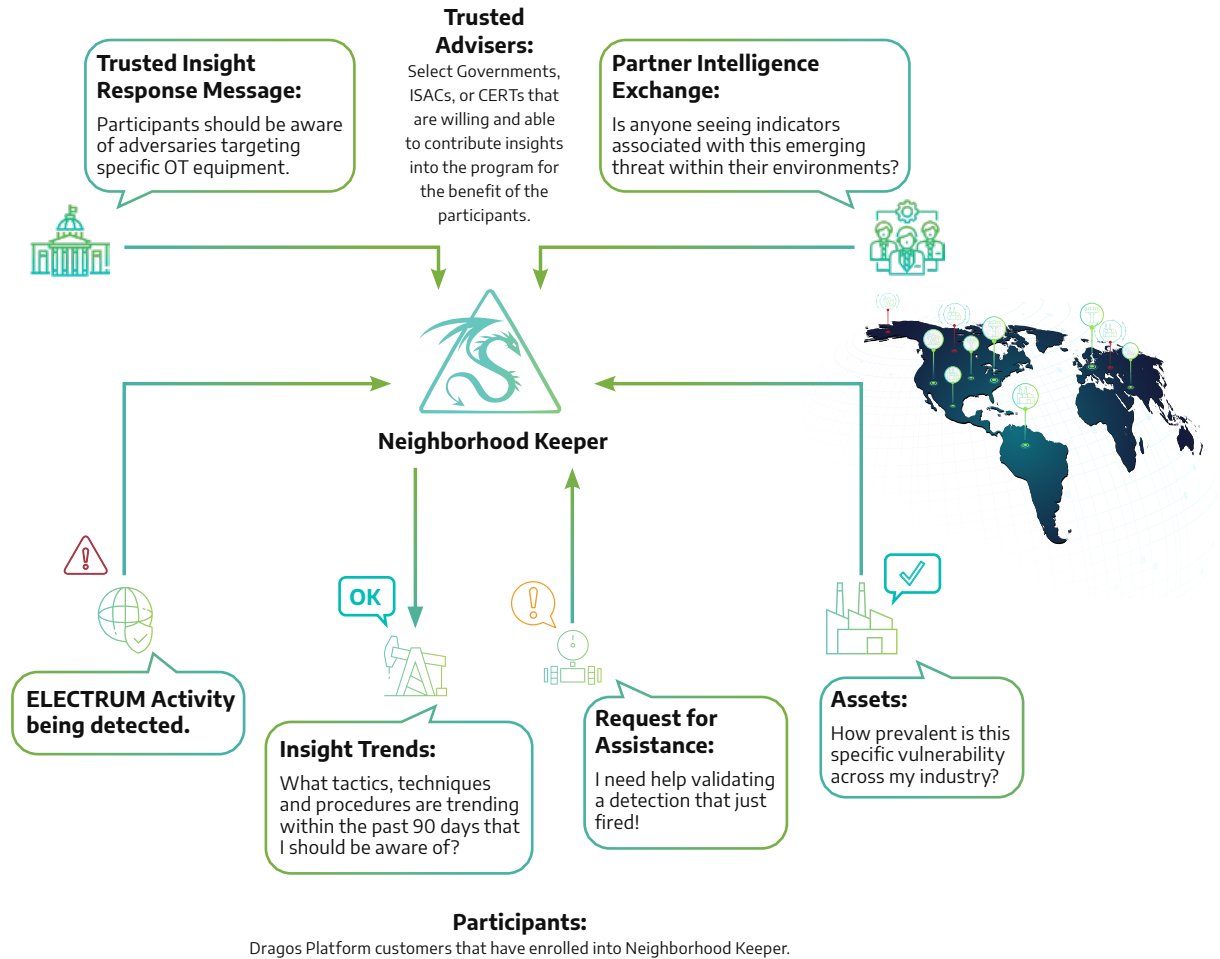
Information sharing programs rarely share intelligence. Sensitive data could be shared without context.

The Solution: Dragos Neighborhood Keeper

- Enables the infrastructure that makes collective defense possible.
- Gives hunters and analysts a unique window into the industrial threat landscape.
- Provides OT cyber teams advanced tools to operationalize threat intelligence.



How It Works



1



Dragos Platform customers deploy passive sensor in ICS/OT environment, and opt-in to Neighborhood Keeper. When detections fire in the environment, all data stays on premises with the customer and only anonymized insights are shared.

2



Neighborhood Keeper receives the anonymous alert and shares detections and insights across the community to inform them of what's occurring elsewhere, the prevalence of certain adversary methods, vulnerabilities, and risks to enhance their own security efforts.

3



Participants may also anonymously make an encrypted request for assistance from other members. Members who respond to that request must identify themselves to the requestor and include contact information. The requestor can then choose to reach out to the responder outside of Neighborhood Keeper to help them and coordinate response efforts.



Idaho National Laboratory, one of the US Department of Energy’s national labs, reviewed Dragos Neighborhood Keeper as part of their Strategic Partnership Program and reported the following:

Neighborhood Keeper program stakeholders will see great value in this wide area view capability as participants can identify a coordinated activity or a broad campaign targeting multiple critical infrastructure

— Idaho National Laboratory: Neighborhood Keeper Program Review —



Participant Benefits



Enables informed and effective defense



Community-wide visibility of asset and vulnerability prevalence



Demographic based threat insights



Faster cyber mutual assistance

To learn more about Neighborhood Keeper and how to participate, visit <https://dragos.com/neighborhood-keeper/>

1. Acknowledgment: This material is based upon work supported by the Department of Energy under Award Number(s) DE-OE0000898.
 2. Idaho National Laboratory 'Neighborhood Keeper Program Review' report, January 2021

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About Dragos, Inc.

Dragos, Inc. has a global mission to safeguard civilization from those trying to disrupt the industrial infrastructure we depend on every day. Dragos is privately held and headquartered in the Washington, DC area with regional presence around the world, including Canada, Australia, New Zealand, Europe, and the Middle East.

To learn more about our technology, services, and threat intelligence offerings, visit dragos.com or connect with us at sales@dragos.com.