

# WHY ENERGY PROVIDERS NEED CYBER THREAT INTELLIGENCE

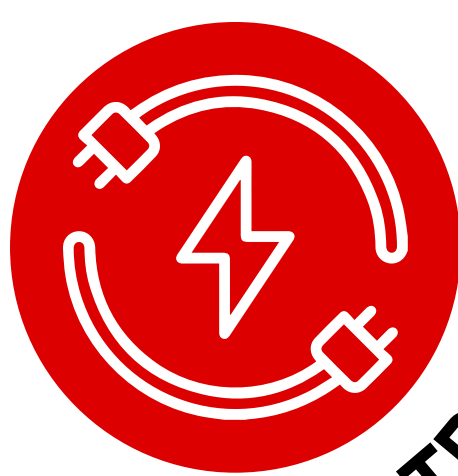
## THE INDUSTRY



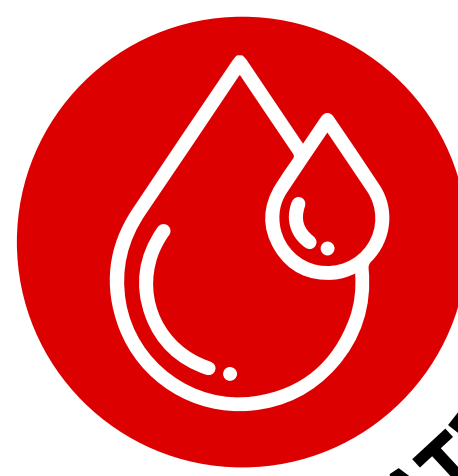
OIL AND GAS



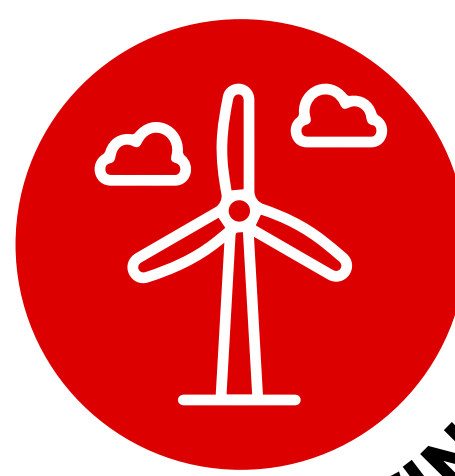
NUCLEAR



ELECTRICITY



WATER



WIND



SOLAR

**54%** of Energy Industry execs ranked digitalization as one of their top business goals<sup>2</sup>...



...and execs ranked **cybersecurity** as one of the top concerns when digitalizing.<sup>3</sup>

## THE RISKS



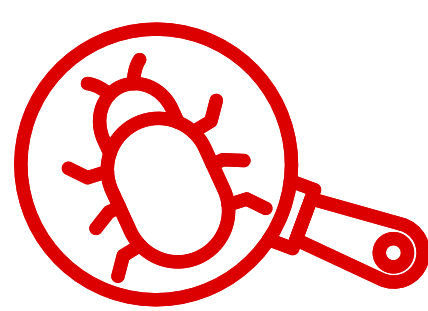
**56%**

of energy companies suffered at least one data breach in the past year.<sup>3</sup>



**49%**

of the energy sector has a critical vulnerability due to out-of-date systems.<sup>4</sup>



**25%**

of attacks against energy organizations in 2021 were ransomware.<sup>5</sup>



**23**

US energy and CNI providers reported “abnormal scanning from Russian IP addresses” during geopolitical tensions.<sup>6</sup>

## THE IMPACT

**76%**

of energy executives believe business interruption would be the worst consequence of a cyber breach.<sup>7</sup>

## NOTABLE ATTACKS ON THE ENERGY SECTOR

### MAY 2021

The Colonial Pipeline ransomware attack, cost the fuel provider \$4.4 million in ransom.<sup>8</sup>

### FEBRUARY 2022

A cyberattack impacts operations at the Amsterdam-Rotterdam-Antwerp (ARA) refining hub.<sup>10</sup>

### AUGUST 2021

An attempted nation-state attack on the largest container port on the Gulf Coast.<sup>9</sup>

1. [https://www.investopedia.com/terms/e/energy\\_sector.asp](https://www.investopedia.com/terms/e/energy_sector.asp)  
2. [https://www.bdo.com/BDO/media/Digital-Transformation-Survey-2020/ADV\\_DTS\\_2020-Energy-Digital-Transformation-Survey\\_Web.pdf](https://www.bdo.com/BDO/media/Digital-Transformation-Survey-2020/ADV_DTS_2020-Energy-Digital-Transformation-Survey_Web.pdf)  
3. <https://www.jdsupra.com/legalnews/is-the-u-s-energy-sector-prepared-for-a-38221/>  
4. [https://blackkite.com/wp-content/uploads/2021/09/The-2021-Ransomware-Risk-Pulse\\_-\\_Energy-Sector.pdf](https://blackkite.com/wp-content/uploads/2021/09/The-2021-Ransomware-Risk-Pulse_-_Energy-Sector.pdf)  
5. <https://www.riskinsight-wavestone.com/en/2022/03/17662/>  
6. <https://www.utilitydive.com/news/fbi-us-energy-sector-faces-reconnaissance-scanning-by-russian-hackers/620863/>  
7. [https://www.worldenergy.org/assets/downloads/Cyber\\_Challenges\\_to\\_the\\_Energy\\_Transition\\_WEC\\_MMC\\_2019.pdf](https://www.worldenergy.org/assets/downloads/Cyber_Challenges_to_the_Energy_Transition_WEC_MMC_2019.pdf)  
8. <https://www.bizjournals.com/dallas/news/2021/06/21/long-term-effects-of-colonial-pipeline-ransomware.html>  
9. <https://www.nbcnews.com/tech/security/port-houston-target-suspected-nation-state-hack-rcna2249>  
10. <https://www.spglobal.com/commodityinsights/en/market-insights/latest-news/oil/020322-cyberattack-causes-chaos-at-key-european-oil-terminals>