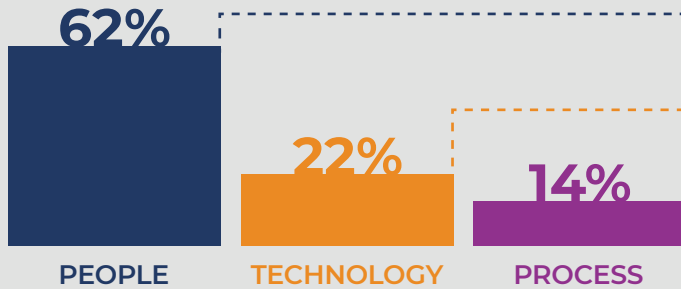


3 Pillars for a Successful IT-OT Convergence Strategy

Data from the 2019 SANS State of OT/ICS Cybersecurity Survey about how organizations are using **people**, **technology** and **process** to support their IT-OT convergence strategy.

The perceived greatest security risk



2019 budget by pillar

- Although people are the highest perceived risk, most budgets are **< \$100,000**
- Organizations invest heavily in technology, with over 40% allocating **> \$1,000,000**
- Almost half of all organizations have budgeted **< \$500,000**



1. PEOPLE

- In 2019, 29% of companies will invest in cybersecurity education and training for IT, OT and hybrid IT-OT personnel.
- Differing roles and responsibilities can impede convergence, but aligning business concerns with the current threat environment gives the hybrid workforce a common goal.
- Creating a roadmap for how OT and IT will work together enables them to work together, learn from each other and continually improve cybersecurity posture.



2. TECHNOLOGY

- 37% of organizations hope to implement OT/ICS network security monitoring in the next 18 months, making it the most popular security technology tool of 2019.
- Technology can help overcome barriers to proper OT security hygiene, such as a lack of asset visibility and the IT-OT convergence.
- IT-OT teams are beginning to use technologies that establish complete OT asset inventories and network baselines to defend the network in real time.



3. PROCESS

- Of the companies surveyed, 84% have adopted or are planning to adopt an IT-OT convergence strategy in 2019.
- Assessing current processes and identifying weak links before creating a “to-be” environment, including procuring technology, should be a priority for organizations.
- Organizations are bringing IT and OT together to build data collection processes that reach down into the ICS infrastructure to secure and monitor these high-risk assets.

For insight into the complete data set and recommendations for the challenges faced by OT cybersecurity stakeholders, download the research paper.

[DOWNLOAD](#)

*All data from the 2019 SANS State of OT/ICS Cybersecurity Survey: <https://www.forescout.com/platform/operational-technology/2019-SANS-state-of-OT-ICS-cybersecurity-survey/>