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

- **People**: 62%
- **Technology**: 22%
- **Process**: 14%

### 2019 budget by pillar

- **People**: Although people are the highest perceived risk, most budgets are <$100,000.
- **Technology**: Organizations invest heavily in technology, with over 40% allocating > $1,000,000.
- **Process**: 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.


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