# Threat Modeling for IEC/ ANSI 62443

*The Security Library that allows operational technology organizations to comply, build, and design secure products, and according to IEC 62443 Standards.*

## What is IriusRisk Threat Modeling Tool?

IriusRisk makes secure design fast, reliable and accessible, even to non-security professionals, thanks to our automated and intelligent Threat Modeling Solution.

## How does the dedicated IEC 62443 Security Library help our users?

If you operate in industries such as critical infrastructure, healthcare, railway, elevators, and automotive or transportation, then our security libraries will allow you to comply with certification programs, build, design, secure, and comply according to the IEC 62443 standards. Specifically, it covers: Network and System Security (part 3-3), and Security for Industrial Automation and Control Systems (part 4-2). Our libraries support many of the deliverables as detailed in Security Risk assessments for system design (part 3-2) and Product Security Development lifecycle Requirements (part 4-1).

# The product in action

## Build your threat model diagram to represent your risk architecture

You can import this from other diagramming software such as Lucidchart, import your Infrastructure as Code descriptors, or bring in from other tools such as CloudFormation and Terraform.
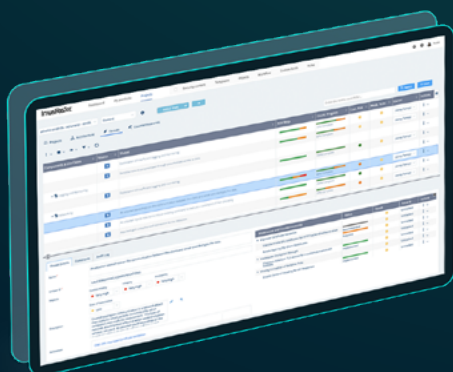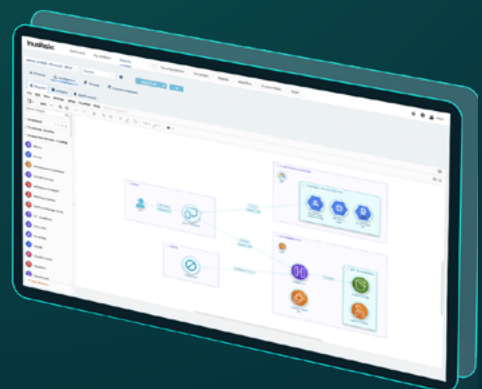




## Populate associated risks and countermeasures

As you can apply the security library for IEC/ ANSI 62443 to your threat model, these security outputs will relate to this standard. Allowing you to effectively prioritize remediation, while conforming to the compliance requirements.

# Need industry specific details? No problem.

These are the chapters of each standard that we support directly.

| Industry | Standard Details | Solution |
|---|---|---|
| Industrial - Energy production, Oil and Gas, Power Grid Etc | 62443 3-3 & 4-2<br>62443 4-1 | 62443 3-3 & 4-2 , ICSA<br><br>SDLA ISA Secure certification project management OT Cybersecurity 62443 3-3 or 4-2 product management<br><br>project management (Threat modeling - Security Levels & Security Vectors |
| Elevators and Moving Platforms | 8102 20:22 | 62443 3-3 & 4-2 Security Vector Mapping |
| Healthcare & Medical Devices | 81001-5-1<br>60601-4-5 | 62443 3-3 & 4-2, ICSA Software Component Mapping<br><br>62443 3-3 & 4-2  ICSA Device Mapping |
| Transport - Communications, Railways, Public | 50701 | 62443 3-3 & 4-2 , Security Vector Mapping |
| Maritime | 50701 | 62443 3-3 & 4-2 , Security Vector Mapping |

## Who benefits most from the library?

✔ Manufacturers of network and industrial control systems, such as PLCs, controllers, sensors, etc.

✔ Teams responsible for designing and implementation of industrial control systems throughout the SDLC.

✔ Operational technology industries, such as rail and transport, power stations, petrochemicals, water, recycling, metal and fabric manufacturing.

✔ Medical technology and healthcare providers.

✔ Commercial railway vehicle system and automotive industries

Schedule a demo to see how IriusRisk Threat Modeling Tool can benefit your organization visit
**www.iriusrisk.com/schedule-a-demo**