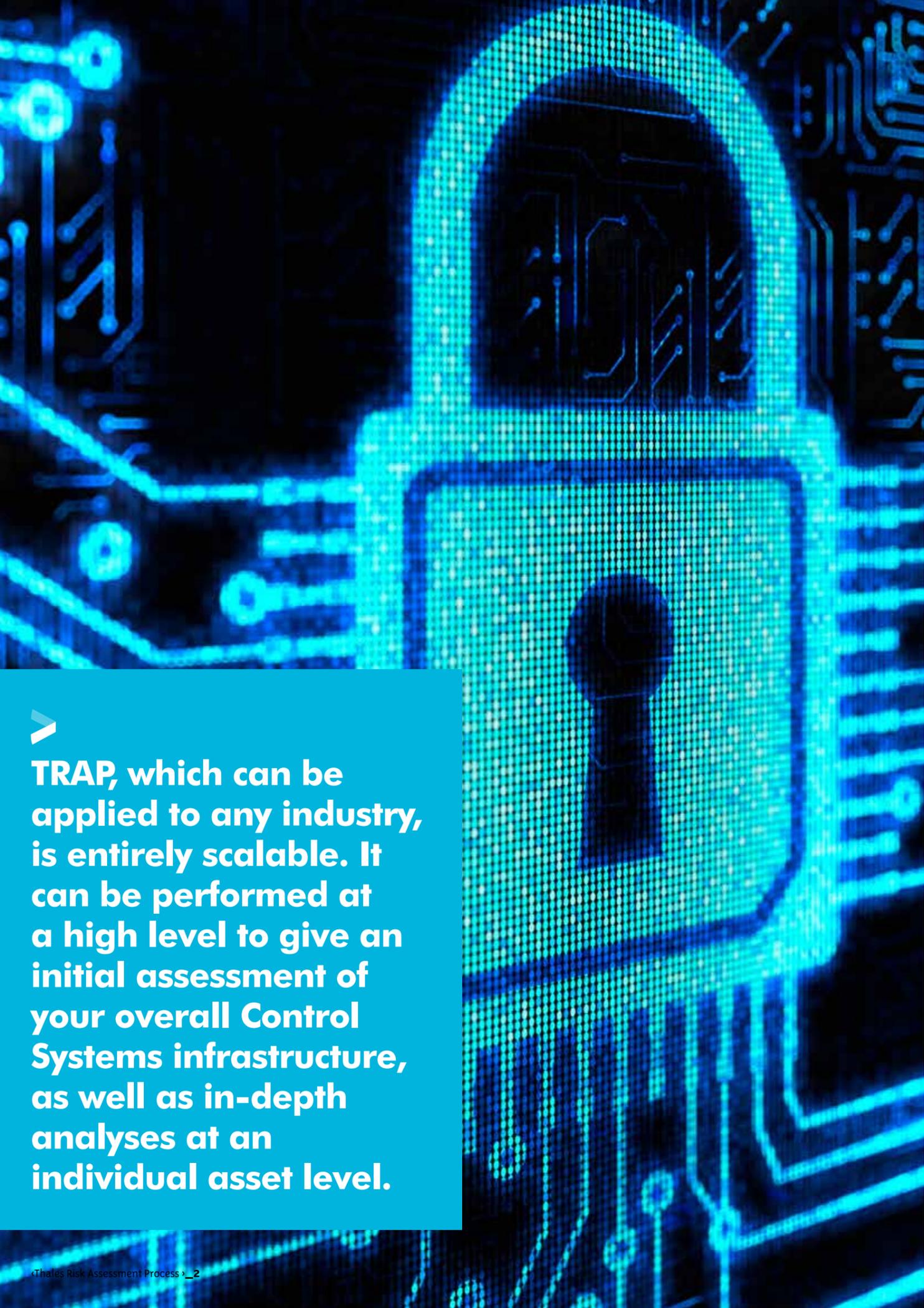


SECURE COMMUNICATIONS AND INFORMATION SYSTEMS

TRAP

Measuring the cyber security of your Industrial Automation and Control Systems





TRAP, which can be applied to any industry, is entirely scalable. It can be performed at a high level to give an initial assessment of your overall Control Systems infrastructure, as well as in-depth analyses at an individual asset level.



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REMOVING THE UNCERTAINTY OF CONTROL SYSTEMS SECURITY

No one knows when or where the next cyber attack will happen. Or how serious it will be. But we do know that Industrial Automation and Control Systems (IACS) can present a tempting and newsworthy target. These systems are critical to your operations and any compromise could have far reaching impacts on your business.

Naturally, every organisation with industrial control systems takes steps to defend against such attacks. But how do you know if you're doing enough? The fact is, it's difficult to tell how good your cyber security is – and where the weaknesses are – until you're attacked. And then it's too late.

What you need is an objective assessment of every part of your IACS estate, free from human bias or oversight, which can be repeated as often as necessary as you upgrade and improve your defences. What you need is TRAP.

THE THALES RISK ASSESSMENT PROCESS (TRAP)

Because Industrial Control Systems are becoming increasingly interconnected it is difficult to perform a thorough risk assessment across the enterprise as a whole. Thales devised TRAP to deliver value and benefit to the customer while maintaining thoroughness and objectivity.

TRAP, which can be applied to any industry, is entirely scalable. It can be performed at a high level to give an initial assessment of your overall Control Systems infrastructure, as well as in-depth analyses at an individual asset level.

The end result provides your organisation with a deeper understanding of the threats relating to your systems and the risks they face.

BENEFITS AT A GLANCE

- Provides a prioritised risk profile allowing organisations to target resources in the most effective way
- Objectively compares your security to industry best practice such as IEC 62443
- Reveals vulnerabilities and suggests remedial actions
- Can be repeated when required to monitor continuous improvement in your systems cyber security
- Entirely scalable and can be tailored to suit any environment

MOVING TOWARDS FULFILLING INDUSTRY BEST PRACTICE SECURITY STANDARDS

TRAP applies a methodical four-step process which will assess each of your control systems. The result is an easy to understand report which allows you to confidently compare your current state against all relevant Industrial Cyber Security Standards, such as IEC-62443. Any gaps in your security or non-compliance to the standards will also be identified.

1. We start with a series of directed workshops in which we collect the data that we need to characterise your assets and sub-systems, based on their complexity, connectivity, and criticality.
2. Each asset is then thoroughly and objectively assessed according to the risks that they pose to your operations, allowing us to compare your cyber security controls to those recommended in standards such as IEC-62443.
3. Our highly experienced IACS cyber security team will then collate and analyse this data to produce an overall risk score.
4. The final step is to provide you with a detailed but easy-to-understand report that clearly identifies high-risk areas and any deviations from industry best practice, together with specific recommendations.

OUR CREDENTIALS

Thales is a global manufacturer and systems integrator with a strong UK presence and particular expertise in designing, building and maintaining complex industrial control systems. Our IACS cyber security consultants have direct personal experience of risk and compliance activities and deep domain vertical knowledge in nuclear, rail, aviation, defence, government, air traffic management and automotive markets around the world, and have tackled projects large and small.

We can't tell you when an attack is about to come, but we can make sure that you're ready for it.

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THALES

350 Longwater Avenue
Green Park, Reading
RG2 6GF, United Kingdom
Email: thalescyberandconsulting@uk.thalesgroup.com
www.thalesgroup.com/en/tcc-uk