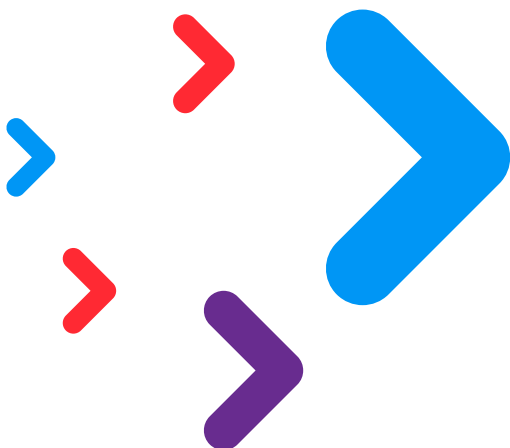# cyberbit

Success Case: Deloitte EMEA Cybersphere Center (ECC) and Cyberbit

Cyberbit helps Deloitte raise the state of SOC readiness in Europe, the Middle East, and Africa (EMEA).

To address the growing global demand for skilled cybersecurity talent, Deloitte partnered with Cyberbit, the world leading SOC readiness and skills development platform. The partnership empowered Deloitte's EMEA Cybersphere Center (ECC) to advance their clients' cyber skills. Cyberbit's advanced platform covers the entire cyber skilling spectrum from cyber skills development and experiential learning to team and individual performance assessment in real-world scenarios.

As a result of the partnership, the Cyberbit platform was added to the Deloitte ECC's portfolio of cyber risk solutions, maximizing the impact of the ECC across Deloitte's EMEA Cyber Intelligence Centers.

The Deloitte-Cyberbit Partnership

In the partnership between Deloitte ECC and Cyberbit, Deloitte made use of Cyberbit's platform for building, developing, and assessing cybersecurity skills. Both a cybersecurity skill building opportunity and a cybersecurity skills assessment opportunity were offered. included. The first opportunity, "Deloitte Cyber Wargaming and Training Labs" lasted a full day and took place February 9, 2021. The second opportunity, "Cyber Arena 2.0", lasted for a full week and took place during the first week of April 2021.

Deloitte Cyber Wargaming and Training Labs Overview

This opportunity, targeted at the financial sector, provided SOC teams and cyber leadership with the chance to experience live-fire cyber-attack scenarios in a safe environment, and practice their skills, SOC team roles, and understanding of MITRE ATT&CK tactics, techniques, and procedures (TTPs).

The Challenge

Deloitte used the Cyberbit platform to address a universal challenge: SOC team analysts lack hands-on experience dealing with live threats and incidents, so they come to their first encounter with a real-world attack unprepared to respond effectively. As a result, response times are slower, network downtime is longer, and cybercrime costs increase exponentially.

The Solution – A Complete Cyber Skilling Spectrum

The Cyberbit platform includes the world's most hyper realistic cyber range amongst its many features, providing SOC analysts with the opportunity to face off against simulated real-world cyber-attacks in a virtual SOC. Analysts use real-world networks and real-world security tools, giving them the hands-on experience they need to successfully prevent and mitigate real-world attacks.

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In addition to its cyber range, the Cyberbit platform also includes labs for building foundational skills in networking, MITRE ATT&CK techniques, commercial tools, threat hunting, and more, so SOC team analysts receive valuable knowledge and experience in all elements of SOC team readiness.

In the "Cyber Wargaming and Training Labs" skill-building opportunity, SOC analysts participated in a hyper realistic live-fire exercise where they were faced with an actual ransomware attack. Participants learned how to construct a complete and accurate chain of events by conducting a full technical forensic investigation on the infected stations, the network and the C&C server as well as learned different prevention methods for the threat.

The Deloitte-Cyberbit Partnership

In this opportunity, SOC team managers saw how effective the Cyberbit platform is for developing SOC team skills and preparing SOC teams for real-world cyberattacks. With the Cyberbit platform, Deloitte was able to build analysts' cybersecurity skills, give them hands-on experience mitigating cybersecurity attacks, reduce their incident response time, help them develop the skills needed to meet cybersecurity finance regulations, improve their forensic investigation skills, make them better prepared with the MITRE ATT&CK TTPs, and provide their clients with a method for assessing readiness levels of the analysts and SOC teams.

⌄**30%**
Reduction in mean time to respond (MTTR).

⌄**25%**
Reduction in time spent on incidents (closing out incidents and measuring progress).
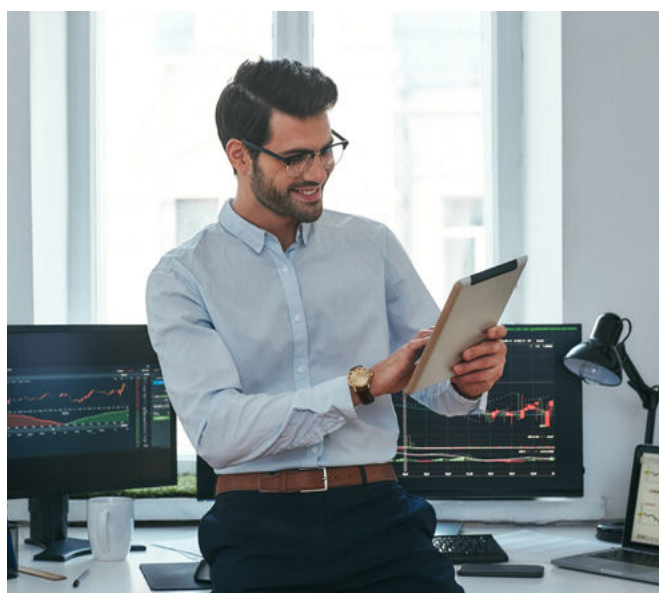
⌄**25%**
Reduction in dwell time (due to better detection and prevention)

⌃**25%**
Improvement in analysts' understanding and use of tools.

⌃**25%**
Improvement in analysts' attention to SOC controls, steps, procedures, and tactics.

"The Cyberbit platform gave our SOC team analysts the opportunity to face off against an actual ransomware attack in a safe environment, guided by a Cyberbit expert. Our analysts learned forensic investigation, remediation, and prevention techniques all within a few hours. Their ransomware response time, use of tools, and understanding of playbooks improved significantly and we were able to better assess their ransomware readiness level."

Deloitte SOC TEAM Manager,
"Cyber Wargaming and Training Labs"

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Cyber Arena 2.0 - Identifying Top Cyber Talent with Hands-On Screening

The second opportunity, "Cyber Arena 2.0," took place in April 2021, to help Deloitte address the EMEA cyber skills shortage by finding and identifying top cybersecurity talent straight from Spain's universities.

The Challenge

The search for skilled, incident response ready cybersecurity talent remains a huge challenge across EMEA, making it difficult to meet the growing demand for skilled cybersecurity professionals. Identifying the top cybersecurity talent early helps eliminate the obstacles to building a qualified SOC team.

The Solution

To address this challenge, Cyberbit provided Deloitte with a multi-level screening and assessment opportunity hosted on the Cyberbit platform that helped Deloitte screen for top cybersecurity talent. The competition consisted of four stages:

Stage 1	Stage 2	Stage 3	Stage 4
Qualifiers	Quarter Finals	Semi-Finals	Finals
Cyber Labs	Easy Scenario Level	Intermediate Scenario Level	Advanced Scenario Level

The Results

"Cyber Arena 2.0" provided a unique opportunity for Deloitte to scout out, assess, and identify top cybersecurity talent by inviting qualifying participants to put their skills to the test battling real-world cyberattacks in a virtual SOC. Cyberbit provided support and encouraged teamwork throughout all of the different scenarios where participants were able to demonstrate their cybersecurity skills and knowledge. "Cyber Arena 2.0" was a huge success, attracting top talent from across Spain: 92% of those enrolled graduated from universities or vocational training programs, 68% had engineering degrees, and 20% had professional cybersecurity training.

⌄50%
Reduction in candidate screening efforts

^25%
Improvement in hiring quality

⌄25%
Reduction in mis-hires

"The cybersecurity skills gap has made finding top cybersecurity talent increasingly challenging across the EMEA region. With Cyberbit we were able to attract and identify elite cybersecurity professionals from across Spain, assess and evaluate their skills, and determine the most qualified applicants for SOC teams. The process cut our screening time in half and dramatically improved the quality of our hires."

Deloitte HR, Spain

Because of the success of "Cyber Arena 2.0," the ECC was able to focus on finding and assessing top cybersecurity talent. From that top talent, Deloitte hired new talent who are now part of the technical team at the Madrid Deloitte Cyber Center. These new technical team members said they are very aware of how Cyberbit can help teams and companies evolve their cybersecurity awareness and technical and soft skills. They noted that their communication and prioritization skills, forensic knowledge, incident response speed, understanding and use of security tools, and even confidence in their cybersecurity skills improved as a result of the Cyberbit platform.

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Overall Results and Benefits

SOC teams from Deloitte's finance industry clients developed the skills needed to meet cybersecurity finance regulations and advance their SOC team readiness and were better able to assess team and individual readiness levels.

Greater awareness about the importance of creating a SOC team with hands-on experience handling cyber-attacks so that they are prepared to effectively respond to real-world attacks in a real-world SOC environment.

Top cybersecurity talent from universities and learning centers across Spain were identified and assessed to help address the critical EMEA shortage in cybersecurity talent.

Many of the top talent identified later joined Deloitte's Cyber Intelligence Center, maximizing its impact and effectiveness across EMEA.

Demonstrated how the Cyberbit platform offers a solution to the growing EMEA demand for managed security services and solutions that can holistically address the entire cyber skilling spectrum.

"Cyberbit offered us the perfect platform to raise the state of SOC readiness across Europe, the Middle East, and Africa." said Adolfo Pedriza, Deloitte Cyber Risk Advisory Partner. "Using Cyberbit we have provided our partners with the ability to gain real world experience, without any of the risk, ensuring that Deloitte client cyber teams are capable of responding to any incident."

Deloitte HR, Spain

About Cyberbit

Cyberbit provides the global leading attack readiness platform, enabling SOC teams to maximize their performance when responding to cyberattacks. The platform enables security leaders to make the most of their cybersecurity investment by boosting the impact of the human element in their organization. Cyberbit delivers hyper-realistic attack simulation mirroring real-world scenarios. It enables security leaders to dramatically reduce MTTR, dwell time, and cybercrime cost, improve hiring and onboarding, and increase employee retention. Customers include Fortune 500 companies, MSSPs, systems integrators, governments, and leading healthcare providers. Cyberbit is headquartered in Israel with offices across the US, Europe, Asia, and Australia.

About Deloitte

Deloitte is a leading global provider of audit and assurance, consulting, financial advisory, risk advisory, tax, and related services. The global network of member firms and related entities in more than 150 countries and territories serves four out of five Fortune Global 500® companies.

Deloitte's Cyber Risk capability, included within the Risk Advisory Branch, has grown exponentially in recent years, reaching exemplary turnover figures. It has a multidisciplinary and international team of more than 1000 experts in the different areas of development that serve clients from all sectors in a global network present in more than 30 countries. Deloitte Cyber offers solutions and services in each of the domains and phases of the security life cycle (strategy, protection, monitoring, and response), both in advisory services and technology implementation and operation of cybersecurity services and technologies.

The EMEA Cybersphere delivery strategy is built around a global network of Global Delivery Centers (GDC), operating in 24/7, and local Cyber Centers (CC) acting as front offices for the clients. The ECC, located in Madrid, is the Center of Excellence for EMEA supporting around 30+ centers globally.

Deloitte's transversal vision of all security domains, as well as the knowledge of the different national and international sectors and industries of its clients, has led it to develop a comprehensive security strategy incorporating specialized knowledge in its portfolio of services.

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