CYBERPRO TRAIN
by critical infrastructure cybersecurity professionals

Introducing the CyberPro Train Project: Bridging Europe's Cybersecurity Talent Gap

Cybersecurity Talent Gap

In today's rapidly digitising world, cybersecurity has become a cornerstone of societal resilience and economic competitiveness. Yet, Europe faces an alarming challenge—a severe shortage of skilled cybersecurity professionals. The CyberPro Train Project steps in to address this gap, offering a groundbreaking approach to building the cybersecurity workforce of the future.

The Problem: A Growing Cybersecurity Talent Shortage

By 2022, Europe faced a staggering shortage of between 260,000 and 500,000 cybersecurity professionals. This gap is particularly troubling given the estimated workforce need of 883,000 to protect critical infrastructures and ensure the safety of essential services.

This skills shortage not only heightens the risk of cybersecurity incidents but also hampers Europe's ability to compete globally. Advanced digital technologies like artificial intelligence, 5G, and cloud computing depend on a robust cybersecurity foundation. Without a skilled workforce, the EU's ambitions for technological innovation and economic growth are at risk.

The Solution: CyberPro Train's Vocational Journey

The CyberPro Train Project is designed to directly tackle this challenge by creating a scalable and innovative cybersecurity education model. Developed by seasoned professionals from critical infrastructure sectors, CyberPro Train integrates hands-on expertise with cutting-edge training methodologies to meet the EU's cybersecurity needs.

Here's how the project delivers impactful solutions:

1. Innovative Education Across Three EU Countries
2. CyberPro Train introduces a unique cybersecurity educational model that combines theoretical knowledge, practical exercises, and immersive on-the-job training. This scalable model aims to increase the number of qualified cybersecurity professionals and can be replicated across Europe.
3. The CyberPro Train Digital Handbook
4. At the heart of the initiative is a one-stop-shop platform: a CyberPro Train Digital Handbook. Available in 10 EU languages, this comprehensive resource provides best practices, guidelines, and expertise tailored to small and medium enterprises (SMEs) and public administrations.
5. Advanced Learning with LearningFlix
6. All training courses are delivered through LearningFlix, an e-learning platform based on the open-source Forma LMS. This platform ensures accessibility to both synchronous and asynchronous courses, fostering flexibility for learners.
7. Immersive Bootcamps: Intensive, hybrid-format training weeks tailored for SMEs, start-ups, and public administration. These sessions foster networking opportunities across industry and government

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Key Benefits and Opportunities

By leveraging the deep expertise of critical infrastructure professionals, CyberPro Train provides a disruptive and high-quality training program that addresses Europe's most pressing cybersecurity challenges. The project not only enhances the cybersecurity skills pipeline but also strengthens the EU's competitive edge in global technology markets.

- 30 training courses delivering a total of 300 hours in high-demand cybersecurity skills.
- 20 on-the-job training opportunities for SMEs and public administrations, with 12 sponsored directly by the consortium.
- Integration with ENISA's CyberHEAD database to ensure wide dissemination of educational resources.

Why CyberPro Train Matters

CyberPro Train represents a crucial step toward safeguarding Europe's digital future. By addressing the cybersecurity talent gap, the project ensures that critical infrastructures remain resilient against threats, while businesses and public institutions gain access to highly trained professionals. As part of the EU's Cybersecurity Skills Academy, CyberPro Train is poised to set a benchmark for excellence in vocational cybersecurity education.

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