

# USE CASE

## NETWORK & CYBERSECURITY ASSESSMENT SERVICES AND CYBERSECURITY ROADMAP DESIGN

Noesis developed a consultancy project related to network assessment, and cybersecurity-focused on the Portuguese IT and OT perimeters, providing the current status of threats and vulnerabilities of commercial operations in a company in the cement and providing a measurable network and cybersecurity Roadmap with initiatives to achieve an adequate performance level of protection of the cement industry company.



**Sector**  
Industry

**Delivery Unit**  
IT Operations, Cloud & Security

**Solution**  
Network & Cybersecurity  
Assessment Services



**8 cement plants**  
in 8 countries,  
4 continents



**9M tons**  
annual cement  
production



**±2400**  
employees



**200**  
servers

## THE CHALLENGE

The major challenge consisted in building a unified and consistent vision of the IT and the OT worlds, since for heavy industries like cement plants, quarry mines, and steel industry, adequacy is required for assessment controls and design specific initiatives to this kind of facilities.

## GOALS

Main goals of the Network & Cybersecurity Assessment project:

- To measure the exact state of resilience, maturity, and awareness of IT and OT;
- To avoid implementing a set of loose and scattered initiatives;
- Identify the main weaknesses of the company in the cement industry according to business, OT, and IT points of view;
- Provide the cement industry company with proven IT and OT solutions, cybersecurity, and network capabilities to accompany the growing sophistication and scale of cyber attacks.



# SOLUTION

Noesis proposed a Network and Cybersecurity Assessment project focused on Portuguese IT and OT perimeters of the cement industry company.

The project consisted of two phases:

- 1 Security Maturity Assessment**, using IT Ops Professional Services and CIS Framework method;
- 2 Behaviour Based Assessment**, using Darktrace technologies.

The project, planned for ten weeks, addressed the following key activities:

- › Identify the current network & cybersecurity capabilities;
- › Assess the maturity level of the company's network and cybersecurity in the cement industry sector.
- › Identify the leading network & cybersecurity pain points;
- › Design the As-Is network & cybersecurity architectures;
- › Prepare a set of recommendations based on best practices and industry standards;
- › Design the To-Be network & cybersecurity architectures;
- › Define the Network and Cybersecurity Roadmap for the cement industry company;
- › Design high-level initiatives.

## THE RESULT

The Network and Cybersecurity Transformation Plan was designed based on the critical points of the current capabilities, industry best practices, and The business objectives of the cement industry sector, always considering specificities of OT environments.

Today's cement industry company has a comprehensive view of the maturity of the IT and OT infrastructures that support the business and a clear perspective of the evolution road map. Noesis provided the cement industry company with a comprehensive and structured network and cybersecurity roadmap consisting of a series of initiatives to help achieve its strategic objectives and help the IT and OT areas of the cement industry company infrastructures become safer and more resilient external and internal threats.



Noesis is an international tech consulting company with +25 years of experience offering solutions to support companies' businesses and digital transformation. Noesis has an extensive IT services portfolio working in several areas such as IT Ops & Infrastructure, Cloud & Security, Enterprise Solutions, Low-Code Solutions, Data Analytics & AI, DevOps & Automation, Quality Management, Enterprise Application Integration, and Professional Services. The company has +1100 highly specialized talents, operating in six countries: Portugal, Spain, the Netherlands, Brazil, Ireland, and The USA. Noesis is part of Altia Group, listed on the Spanish BME Growth stock market, with more than 3,500 professionals operating in 7 countries and over 20 locations.