



**VIRSEC**<sup>®</sup>



Fully Online Course  
Electric Vehicle (EV) Safety  
Induction for Port Staff

[www.VIRSEC.org](http://www.VIRSEC.org)

## About the Course

Ensure your port staff are trained to spot hazardous electric vehicles in your port with our comprehensive induction course.

Identify EV hazards, reduce risks, establish a safety culture, and boost efficiency. Ensure that your port staff are EV hazard aware! Reach out now for bulk orders. Electric vehicles aren't just a trend.

They're the new reality in port operations. The UK government's 2035 ban on new petrol and diesel vehicles is coming. Many ports target full electrification by 2040. EV safety knowledge is becoming as essential as traditional port safety skills.

This course transforms complex EV technology into practical, actionable safety knowledge. It protects your staff and your port's operations. You'll learn to work confidently with quiet electric equipment.

You'll identify potentially dangerous battery conditions. You'll play your part in your port's successful transition to cleaner technology.

Designed specifically for frontline port staff using clear, accessible language, this course transforms complex EV jargon into actionable safety knowledge.

This training course ensures that all port workers understand their essential role in maintaining workplace safety as the maritime industry transitions to cleaner, electric-powered operations.

## Course Duration

The Electric Vehicle (EV) Safety Induction for Port Staff Course has an expected duration of 30 minutes.

## Target Audience

This essential course is designed for:

- **Cargo handling personnel** who load, unload, and move EVs during daily operations.
- **Equipment operators** who drive electric forklifts, reach stackers, and EV port machinery.
- **Dock workers and stevedores** who work directly with EV cargo on RoRo ferries and car carriers.
- **Port maintenance staff** who service and maintain electric equipment and charging gear.
- **Security personnel** who patrol areas containing EVs and need to recognise safety hazards.
- **New port employees** who need foundational knowledge about EV safety in ports.

Whether your team operates electric machinery, handles EV cargo, or simply works in areas where EVs are present, this course provides vital safety knowledge for their daily work.



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Port workers and staff should attend an online course on EV safety induction to ensure they are fully prepared to handle electric vehicles (EVs) safely within the port environment. As EVs become more common in cargo and logistics operations, understanding their unique hazards such as high-voltage systems and fire risks is essential to maintaining workplace safety. This training provides the knowledge needed to identify potential dangers, follow proper procedures, and respond effectively in emergencies, helping to protect both personnel and infrastructure.

## Course Aims

The aim of the course is to equip port personnel with the knowledge to work safely around Electric Vehicles (EVs) in port environments.

Given the unique risks posed by electric vehicles (EVs), including their silent operation, lithium-ion battery hazards, and the potential for thermal runaway, this training provides detailed guidance on EV safety awareness, how to identify potentially hazardous EVs, and the appropriate response actions.

Learners will clearly understand the essential role of all port workers in maintaining EV safety when handling RoRo/PCTCs or car carriers..

## Course Learning Objectives

Upon completing this comprehensive course, port staff will be able to:

- Recognise the difference between EVs and diesel-powered vehicles and understand why they are appearing in ports.
- Identify the main types of EVs and equipment relevant to port operations.
- Dispel common but untrue myths about EVs that could affect your safety decisions.
- Learn how EVs can become unsafe and spot the signs of battery or EV damage.
- Understand their essential role in maintaining your port's EV safety.

## Course Learning Outcomes

By enrolling your port staff on our EV safety induction training, you will help:

- Build a safety culture around EVs in your port.
- Prepare your teams for future growth as EV cargo volumes increase and electrification becomes the industry standard.
- Reduce liability and demonstrate diligence in meeting health and safety obligations as EVs become standard port equipment and cargo.
- Protect port assets, infrastructure and reputation from potential EV fire damage through early hazard recognition.

## Course Certificate

This course has been Approved under the American Bureau of Shipping (ABS). Upon completion of this online course, learners will receive an ABS Approved Certificate for Electric Vehicle (EV) Safety Induction for Port Staff from VIRSEC & Mariner House.



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It is important for the crew on vessels such as car carriers to attend an EV safety induction course because they often work directly with electric vehicles during loading, unloading, and transit operations. EVs pose specific risks, such as high-voltage components and thermal runaway hazards, which require specialised knowledge to manage safely.

## Course Subjects

The online Electric Vehicle (EV) Safety Induction for Port Staff course includes the following topics:

- Types of EVs and where they appear in ports
- Dispelling common but untrue EV myths
- Spotting the indicators for abused or suspect EVs
- How Staff can ensure their own safety when working with EVs in ports.

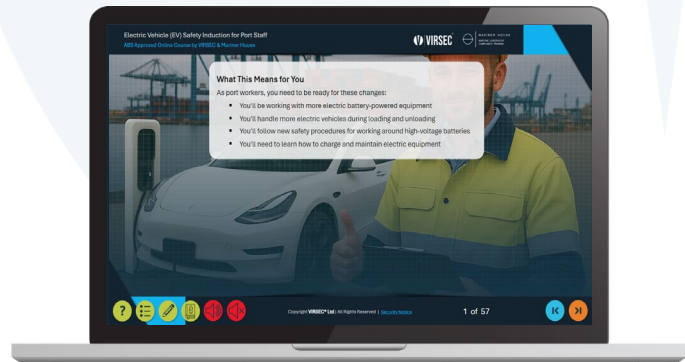
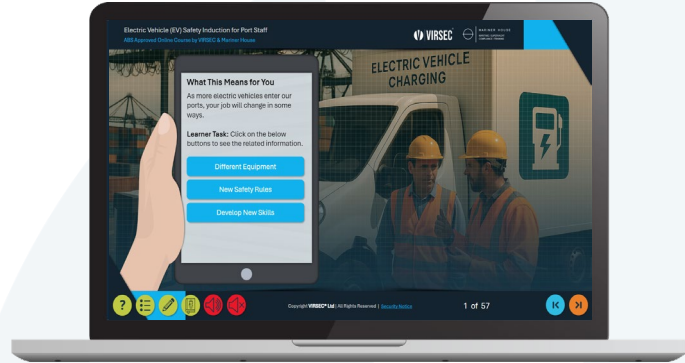
## Bulk Purchasing

At VIRSEC, we offer competitive bulk discount pricing for companies and organisations looking to purchase our STCW ISPS Proficiency as Ship Security Officer (SSO) courses for multiple employees.

Whether you're equipping a small team, staff, workforce or even an entire crew, we provide scalable pricing options to suit your training needs.

Discounts are applied based on the number of participants, with greater savings available for larger groups.

To discuss your specific requirements and receive a personalised quote, please contact our training coordination team by email at: [training@virsec.org](mailto:training@virsec.org), or call us on +44 (0)161 763 4427 and one of our team will happily assist you.



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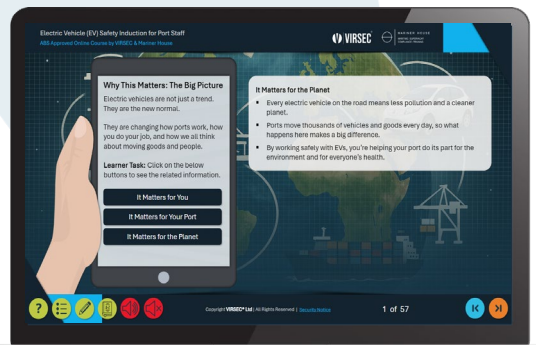
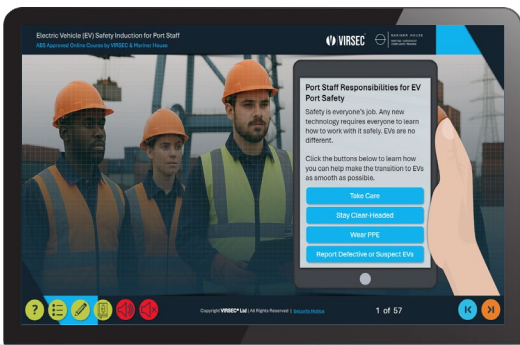
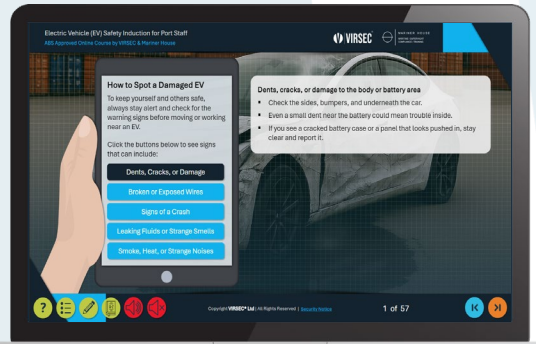
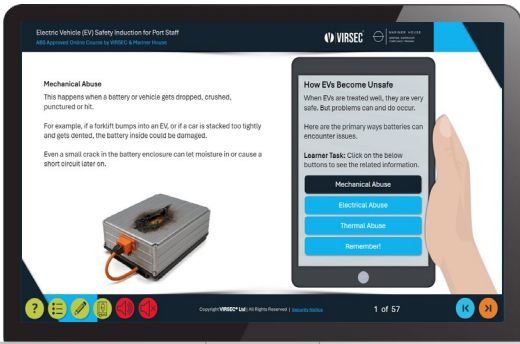
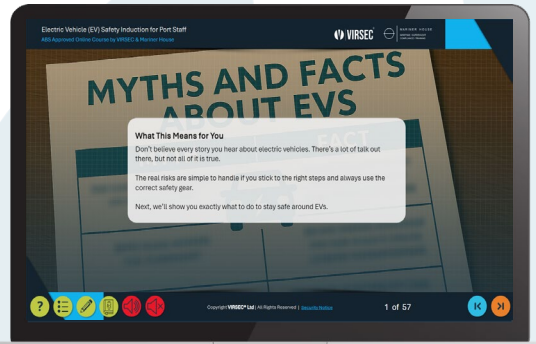
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LIBERIAN REGISTRY



# Sample Course Slides



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