

## Article Overview

Cable tray installation in Norway involves specialized systems designed for industrial, commercial, and offshore applications, adhering to strict EN standards and environmental requirements.

## Types of Cable Trays and Materials

Norwegian projects utilize a variety of cable tray systems, including ladder, perforated, and wire mesh trays, to support power, control, and data cables in commercial, industrial, and utility settings . Materials are selected based on environmental conditions, with options such as stainless steel, galvanized steel, aluminum, and fiberglass (FRP/GRP) to resist coastal corrosion and ensure long-term durability . Cable trays come in different heights and widths, with slot patterns for efficient cable positioning and easy attachment of clamps and ties .

## Installation Practices

Cable trays in Norway are installed with brackets and fittings that allow compact, stable configurations suitable for both onshore and offshore environments . Installation emphasizes safety, load-bearing capacity, and compliance with IEC 61537 and European Norm (EN) standards, ensuring fire resistance and structural integrity . Offshore installations, such as subsea or high-voltage projects, require specialized vessels and equipment, like the Nexans Electra cable-laying vessel, capable of precise, high-capacity cable deployment in harsh conditions .

## Market and Regional Considerations

The Norwegian cable tray market is driven by industrial modernization, renewable energy expansion, and digital infrastructure development . Key demand comes from oil and gas, maritime, datacenters, and renewable power generation. Geographically, activity is concentrated along the western and southern coasts, with Oslo and the Southeast region focusing on commercial and datacenter projects, while the West coast supports offshore and maritime installations . Compliance with environmental and technical standards is critical, including hot-dip galvanizing or stainless-steel alloys for coastal projects .

## Suppliers and Custom Solutions

Norwegian suppliers, such as Oglaend System and Nordic Wire Tray, offer a wide range of cable trays and accessories, including customizable ladders and wire trays for specific project requirements . These systems are designed for fast installation, high load capacity, and long service life, reducing maintenance needs. Suppliers provide expert guidance to select the right tray type, material, and configuration for each application.

# Cable Tray Construction in Norway

## Offshore Cable Laying

For offshore projects, companies like NKT provide turnkey solutions for high-voltage AC and DC cable installations, including surveying, route engineering, trenching, burial, and post-laying testing . Advanced cable-laying vessels ensure precise placement, risk mitigation, and adherence to health, safety, and environmental standards, which is essential for subsea and offshore energy projects.

## Summary

Cable tray laying in Norway combines robust material selection, compliance with EN standards, and specialized installation techniques for both onshore and offshore projects. The market is supported by experienced suppliers offering customizable solutions, while offshore installations leverage state-of-the-art vessels and engineering expertise to meet the demands of renewable energy, industrial modernization, and digital infrastructure expansion .

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ABB designs and manufactures cable tray systems, including perforated tray, cable ladder, channel tray and strut (metal framing).

Cable trays are components of support systems for power and communications cables and wires. A cable tray system supports and

Cable Management - Cable Tray Systems Standards. Contact Our Dedicated Support Team On +44 (0)121 6016000.

NEC Article 392 explains cable trays, their components, appropriate wiring methods for

Often unheralded, cable trays play a vital role in tray cable installations throughout industrial, commercial, and residential projects.

From each of the subsea cable landing sites, new terrestrial backhauls have been constructed to provide sufficient capacities and

Cable trays are systems that distribute bundles of insulated electrical cables from power supplies to electrical equipment, consisting



# Cable Tray Construction in Norway

The Cable Tray Institute (CTI) was founded in 1991 to support the cable tray industry by engaging in research, development,

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Cable trays for industrial and marine use. Includes distribution trays, cable routes and NATO-type models. Request a quote directly

6Wresearch actively monitors the Norway Cable Management Market and publishes its comprehensive annual report, highlighting

The final drawings for a cable tray wiring system may be completed and sent out for bid or construction more quickly

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Steel Ladder System Hubbell's NEXTFRAME®; Ladder Tray is the effective and widely used cable runway that supports and delivers

A cable tray is a structural system used to support and manage electrical cables in various settings, such as industrial, commercial,

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