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Zero Impact Factory

What does "Zero Impact Factory" mean? The Porsche Newsroom explains the twelve action fields.



Environmental management / Organization

This field of action combines external and internal certification procedures and corporate guidelines that provide a framework for organizational measures and environmental management. This is an important step in identifying and preventing negative effects in all spatial forms.

Technology & Processes

This field of action includes the technical facilities of production as well as the production supporting devices. An important aspect is the flexibility of the production system, which should allow adaptation to changing requirements and improved production technologies. This includes the digital infrastructure.

Perception of the factory

The perception of a factory takes place in several dimensions and includes both the visual appearance as well as the social environment and ecological parameters.

Efficient water use

The factory is part of the local water cycle and influences the available water resources through water abstraction, cleaning and pollution.

Planning

The requirements placed on the factory during the planning phase and its operation influence the effects over the entire life cycle. Important parameters can be already determined here, which enable a production without negative effects on the environment.

Energy efficiency and climate protection

Efficient use of energy in production enables cost savings and avoidance of environmental impacts while maintaining or increasing production output. Reduced energy demand can reduce the negative effects associated with energy provisioning.

Resource / material efficiency

Resource efficiency requires the careful and efficient use of resources such as materials, water or energy. Increasing resource efficiency can reduce negative environmental impacts and save resources. Important parts of this field of action are waste prevention and recycling.

Pollutants

Pollutants exert negative effects on ecosystems and their elements, such as plants and living things. The release of such harmful substances should be avoided in order to prevent negative effects.

Soil

Soil is a valuable resource for humans and the environment, while being a naturally limited commodity. The soil use of a factory should be in line with the area requirements of the environment and should not cause any negative effects due to competitive situations around areas.

Logistics

The need of a factory is ensured by the logistics. With the initiative "Green Logistics" as well as measures such as parking management and the fine dust ticket, Porsche bundles the traffic volume to counteract the burden on the infrastructure.

Biodiversity

Biological diversity describes the diversity of species, ecosystems, genetic diversity, the function of ecosystems and the natural resources within individual animal and plant species. The aim is the protection of wild animals, plants, fungi and microorganisms as well as their habitats and their functions.

Operational disruptions

Operating faults and faults in a factory can lead to uncontrolled and undesired effects on the immediate environment. Therefore, it is important to prevent them.

Link Collection

Link to this article

<https://newsroom.porsche.com/en/company/porsche-taycan-zuffenhausen-zero-impact-factory-of-the-future-production-4-0-electric-mobility-18490/zero-impact-factory-18624.html>

Media Package

<https://newsroom.porsche.com/media-package/zero-impact-factory-18624>

Downloads

A new chapter in the company's history, press release, 09/09/2019, Porsche AG

World premiere of the Porsche Taycan: Sports car, sustainably redesigned, press release, 09/04/2019, Porsche AG

Videos

<https://player.vimeo.com/video/357997413>