

UN SUSTAINABLE DEVELOPMENT GOALS – MORE THAN FUNCTIONALITY AND BUSINESS RESULTS

In addition to being functional and driving business, whenever possible Trelleborg’s products and solutions should also contribute to better sustainability. Trelleborg’s solutions protect the environment, people, infrastructure and assets.



TRELLEBORG’S CONTRIBUTION TO UN GOAL 7: AFFORDABLE AND CLEAN ENERGY Safe extraction and transport of energy. Components for wind and solar power solutions.

GLORIOUS TIMES FOR SOLAR ENERGY

Trelleborg knows what materials and technology work in solar panels, and the challenges facing installation engineers. Trelleborg’s sealing profile solution seal well, look attractive and is easy to install. This guarantees a long service life for both the solar panels and the building under. The sealing profile is also designed to allow a certain margin when mounting the panels, which simplifies work.



TRELLEBORG’S CONTRIBUTION TO UN GOAL 13: CLIMATE ACTION Build resilience against climate hazards and catastrophes.

INNOVATIVE CABLE SOLUTION FOR WIND FARMS

Trelleborg has devised a reliable protection solution for cables and flowlines to offshore wind farms. NjordGuard is a cable protection system for the renewables market, used to protect the cables carrying the electrical power generated by wind farms from the converter platform back to shore. These differ from other cable protection as, for example, they must handle the heat generated by the power cables.



TRELLEBORG’S CONTRIBUTION TO UN GOAL 9: SUSTAINABLE INDUSTRY, INNOVATION AND INFRASTRUCTURE Reliable, sustainable, resilient and high-quality infrastructure. Sustainable industrialization.

THE LINE AT END OF THE ROAD

A thin orange strip inside a solid rubber tire. The aim is to maximize tire life, increase productivity, improve safety and reduce environmental impact caused by, for example, premature tire replacement. Pit Stop Line from Trelleborg has been developed to indicate clearly when a solid tire on a forklift needs to be replaced. The orange line appears on the surface of the tire when its service life is soon over. Personnel then know that the tire has about 80 to 100 hours of service life remaining. This gives plenty of time to plan a tire replacement when it is most convenient for the user.



TRELLEBORG'S CONTRIBUTION TO UN GOAL 2: ZERO HUNGER Sustainable agriculture. Sustainable systems for food production.

TIRE SOLUTION FOR ENHANCED SUSTAINABILITY

Precision farming technologies are gradually transforming the agricultural industry into a high-tech business. The aim is to help farmers to produce more, with less. Trelleborg's tire solutions contribute to better crop yield next season and less energy consumption when ploughing. Good tires can reduce carbon dioxide emissions and the climate impact while improving performance in the form of reduced working time, soil compaction and fuel consumption.



TRELLEBORG'S CONTRIBUTION TO UN GOAL 6: CLEAN WATER AND SANITATION Safeguarding and protecting water resources.

TRENCHLESS TECHNOLOGY

Deteriorating sewer pipes lead to two important environmental issues. The infiltration of ground water into the pipe system, which may mean facilities have insufficient capacity to handle the flow and contaminated wastewater is discharged into waterways. The second issue concerns exfiltration, meaning material that leaks from sewer pipes into the groundwater supply, causing pollution. Trelleborg's trenchless technology offers an environmentally friendly alternative to the complete replacement of pipes. The technology essentially seals pipes from the inside, from manhole to manhole. This method avoids problems that occur in connection with digging up streets, polluting the air and obstructing traffic.



TRELLEBORG'S CONTRIBUTION TO UN GOAL 3: GOOD HEALTH AND WELL-BEING Components in medical equipment. Administration of medicine and vaccines.

MEDICAL NEEDLES

Nicotine patches are a well-known example of a medical plaster. But for larger-molecule substances, such as insulin, this type of patch did not work initially. Researchers have been looking at the use of tiny microneedle patches. The patches, about the size of a fingernail, contain rows of microneedles. When the patches are applied to the skin, the microneedles penetrate the skin's top layer, enough to administer the medication in the patch into a person's system. Trelleborg is working with device developers and manufacturers to supply highly engineered components using Liquid Silicone Rubber (LSR) for drug delivery systems in microneedle patches.



TRELLEBORG'S CONTRIBUTION TO UN GOAL 11: SUSTAINABLE CITIES AND COMMUNITIES Protection against water-related catastrophes. Protect and safeguard the world's cultural and natural heritage. Safe, reliable and sustainable transportation systems.

WATERTIGHT SOLUTIONS PROTECT CITIES AND CULTURAL SITES

Watertight infrastructure plays an important role in protecting cities and cultural sites from flooding in every corner of the world, from Los Angeles to Venice and St. Petersburg. In all of these cases, seals from Trelleborg have played a key role when it comes to using specially designed engineering solutions to prevent water damage to fundamental road infrastructure (Los Angeles) and priceless historical structures (Venice and St. Petersburg).

The UN sustainable development goals (SDG) introduced in 2015 encompass 17 areas that are of key significance to the world. In a number of these areas, Trelleborg has the capacity – through its innovative engineered solutions – to make an important contribution to social development.