

Crude oil in every day life

The valuable raw material
for versatile applications

Industry

Security of supply of crude oil is essential for industry in order to have the raw material available for the production of high-value downstream products. As a basic element of industrial manufacturing, crude oil is used in various forms in the processing and refinement of products. For example products such as coatings, varnishes, paints, adhesives, foams, insulating materials, bitumen sheeting, safety clothing contain crude oil.

Renewable energy

Renewables also require crude oil: every photovoltaic system requires oil products for cables, plugs and lines. And no wind turbine turns without petroleum. Each wind turbine and its rotor blades are not only made of high-quality carbon fibers themselves, and thus also of petroleum, but also need several hundred liters of high-quality lubricating oil to run smoothly.

Housing and construction

Materials based on petroleum as a raw material are indispensable for housing and construction. Every modern single-family house with PV on the roof needs sufficient waterproofing and coating. Petroleum is the basic material for window frames, floor coverings, insulation materials, adhesives, garden hoses, switch boxes and cable insulation.

Sports and leisure

From leisure to safety clothing, many garments contain petroleum. Synthetic fibers, epoxy resins and other petroleum derivatives are used to make sports and outdoor outfits, divers' wetsuits, bicycle helmets and tires, skis and surfboards, but also rainwear, mountain boots and high-visibility vests.

Transport

Crude oil is too valuable to be used as fuel. Nevertheless, it is indispensable for transport: The road surface asphalt on which electric cars also drive consists of petroleum. Without lubricants, no bicycle would run and no train would roll. Safety products such as child seats and bumpers, but also vehicle tanks, hoses and seals are based on this valuable raw material - the list is long, and this also applies to electric cars.

