

# SUSTAINABLE PRODUCTS & SERVICES


THE SUSTAINABLE CHOICE





# CONTENT

Prolog	4-5
Trioloop	6-7
Triogreen	8-9
Triolean	10-11
Trio:Greenway	12-13
Innovation & sustainability	14-15
Contact	16



**TRIO  
GREEN**  
RENEWABLE POLYETHYLENE



**TRIO  
LOOP**  
RECYCLED POLYETHYLENE



**TRIO  
LEAN**  
HIGH PERFORMANCE DOWNGAUGING



**TRIO  
GREENWAY**  
SUSTAINABLE SERVICES

# WE DESIGN FOR THE FUTURE

## SUSTAINABLE PRODUCTS AND SERVICES

As a leading producer of polyethylene film, at Trioplast we take responsibility for the environment in everything we do. We strive to reduce the amount of material in our products, we recycle waste materials, and we continuously develop our expertise so as to decrease our use of non-renewable raw materials. In short: We design solutions for the future.

**OUR GROWING** sustainability portfolio consists of three brands, Triogreen, Trioloop and Triolean, representing different sustainable technologies.

For best service we also offer Triopro, a high quality Life Cycle Analysis customized for our customers for them to see the benefits for the environment and economics.

# TRIOLOOP

## RECYCLED POLYETHYLENE

Trioloop is our brand for polyethylene film that contains recycled material. By using recycled material we decrease waste, reduce the carbon footprint and close the material loop. Leaning on our extensive experience in working with recycled polyethylene, we have refined both the quality of the material, and the processes used to produce high quality film with stable properties.

To keep the environmental impact low, we are also in constant symbiosis with both customers and market to optimize the use of material, packaging and transport. Thinner, stronger material combined with recycled products help us reduce our impact to a minimum.

### BENEFITS

- Reduces CO<sub>2</sub> emissions drastically
- Minimizing marine- and land littering by reusing the material over and over
- Trioplast experience and capability in own recycling delivers the highest performance for demanding applications
- Builds on existing infrastructure of collecting – can be ramped up quick, in an effective way in markets and applications



# TRIOGREEN

## RENEWABLE POLYETHYLENE

Triogreen products are based on fossil-free green polyethylene with a very low carbon footprint. Our current green polyethylene is based on feedstock derived from sugarcanes. Having the same properties as fossil-based polyethylene, it can be used in all varieties of films and products.

### BENEFITS

- Non fossil origin means less CO<sub>2</sub> gas emitted
- Similar appearance and performance as polyethylene from fossil origin, with highest performance in all existing applications

We always focus on sustainability and environment in our work process and it's included in everything we do – from production solutions to the way we think or act. We do not only offer products for sustainable development. At Trioplast, we also care about the impact we do as individuals.



# TRIOLEAN

## DOWNGAUGING WITH SUSTAINED OR INCREASED PERFORMANCE

Thinner than ever, produced with sometimes less than 50% of the original material weight and volume. The strive of Trioplast is to reduce the amount of material necessary for an application, while still maintaining or even improving the performance of the product. We are constantly working to reduce our environmental impact without compromising on the quality of our products.

Substantial investments in the latest available technology for film production together with focused innovation is paving the way for dramatic reduction of the amount material used in a product. Thinner products, including so called Nano technology films, with sustained or increased performance, enables us to create added value for both our customers and the environment. At the same time, our customers efficiency increases, which reduces waste from operations, resulting in a reduced environmental impact. In the end, it comes down to being able to do more with less.

### BENEFITS

- Reduction of the material used in a product drives substantial CO<sub>2</sub> reduction
- High performance products for demanding applications
- Less material used giving overall better efficiency in all handling at customers including environmental effect from packaging and delivering the product to the customer.



# TRIO: GREENWAY

## SUSTAINABLE SERVICES INCLUDING TAILOR MADE LIFE CYCLE ANALYSIS

We have leading expertise in making the use of plastics circular, a capability that the world is in great need of right now. There for we do not stop by offering our sustainable product portfolio. Pushing forward to minimize our carbon footprint also at our customers in an important part of our strategy. We want all our customers to join in, into the circular chain. One way is do do it the Trio: Greenway.

**1 – CUSTOMERS GREEN JOURNEY** – Together with you as a customer and partner we evaluate the present plastic film use in your operations. We set up realistic but ambitious targets on the Green Journey for your plastics that you want to do. Then our sustainable offering Trioloop, TrioGreen and Triolean is matched with the targets of the Green Journey and a Green transformation strategy and plan is formulated. On the Green Journey the Trioplast expertise on product development, production, innovation, LCA analyses as well as regulatory and existing standards that need to be complied with is at your hand.

**2 – SPECIFIC SUSTAINABLE PRODUCT SUPPORT AND IDEA GENERATION** – When you want to improve the environmental foot print of one or more of your plastic film products, we are there to help. Together we analyse the product and application and come up with realistic redesign of the product to achieve improved environmental foot print.

**3 – TRIOPLAST LIFE CYCLE ANALYSIS**, supported by SimaPro is a method used to assess the overall environmental impact of a product's lifecycle. This includes everything from extraction of raw material, through material processing and manufacturing to distribution as well as use, repair and maintenance. In addition to highlighting specific stages in the production chain where there is a large environmental impact, LCA is able to evaluate We always push forward to minimize our carbon footprint and try to pave the way for our customers to join in the circular recycling chain. Our cutting edge work on Life-cycle assessment – LCA – is one of our key instruments to reaching our goal of a greener future. the potential impacts associated with identified inputs and releases. By interpreting the results from the analyzes, we can make informed decisions about how we can make your plast use more environmentally friendly.

SimaPro

TRIO  
GREENWAY  
SUSTAINABLE SERVICES





# OUR MISSION EVERY DAY EVERY HOUR

## SUSTAINABILITY & INNOVATION

At Trioplast we think about the environment in everything we do. Each division, each production unit and every employee contributes to minimize environmental impact. 'Remove', 'Reduce' and 'Recycle' are the keywords that remind us of our daily environmental work.

### **REMOVE**

Using renewable raw material in our manufacturing of a product reduces our environmental impact significantly. Therefore, we are extra proud of our product 'Triogreen,' which consists of renewable raw material. We are one of few companies in the world that can offer an alternative to the traditional polyethylene film. That makes us proud.

### **REDUCE**

Together with our customers we work to optimize the use of material, packaging solutions and transport to keep our shared environmental impact to a minimum. We develop thinner and

stronger products and use more and more recycled materials. We optimize transport to and from us by filling the trucks. In this way we do not compromise on quality, function or our environment.

### **RECYCLE**

We are focused on recycling. Therefore, we make sure to recycle all material in our production that is not delivered to our customers. We not only enjoy recycling our own materials, we also recycle externally purchased material. It is our natural cycle.

# TRIOPLAST GROUP

Driven by our customer's present and future needs, we constantly strive to be the first choice in polyethylene film solutions.

Always pushing forward to minimize our carbon footprint and paving the way for our customers to join in the circular recycling chain.

We take the lead in our industry – aiming for a sustainable future.

**STRETCH FILM · INDUSTRIAL FILM · HYGIENE FILM · CARRIER BAGS**



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