



Product design for a circular ~~future~~ today

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flokk.com





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HÅG remains our biggest brand & most recognized brand, and represents much of our foundation. But there is more.



HÅG

Celebrating movement

HÅG merges balanced movement and visual design that ensures movement while seated without having to think about it.



DESIGNED FOR
HUMAN PERFORMANCE

RH chairs are a unique blend of design and ergonomic function, where the users need for movement, comfort and support always is the top priority.



profim

Healthy and effective sitting

Profim knows that true comfort is derived from a combination of ergonomics, technology and aesthetics. These are the things that every work place requires. Every chair too.



giroflex
designed to work

With a history going back to 1872, Giroflex has always been a front-runner within outstanding Swiss quality and craftsmanship, with focus on high ergonomic and ecological standards.



WORK HEALTHY - SIT SMART!

At BMA we combine ergonomics and biomechanics with technology and sustainability. BMA Axia® office chairs improve seated posture and make sure that everyone achieves a healthier way of working.



OFFECCT
Design for sustainable meetings

We develop furniture with sustainable, functional and attractive design for modern meeting places. Our collection enables interiors that stimulate creativity in meetings between people today and tomorrow.

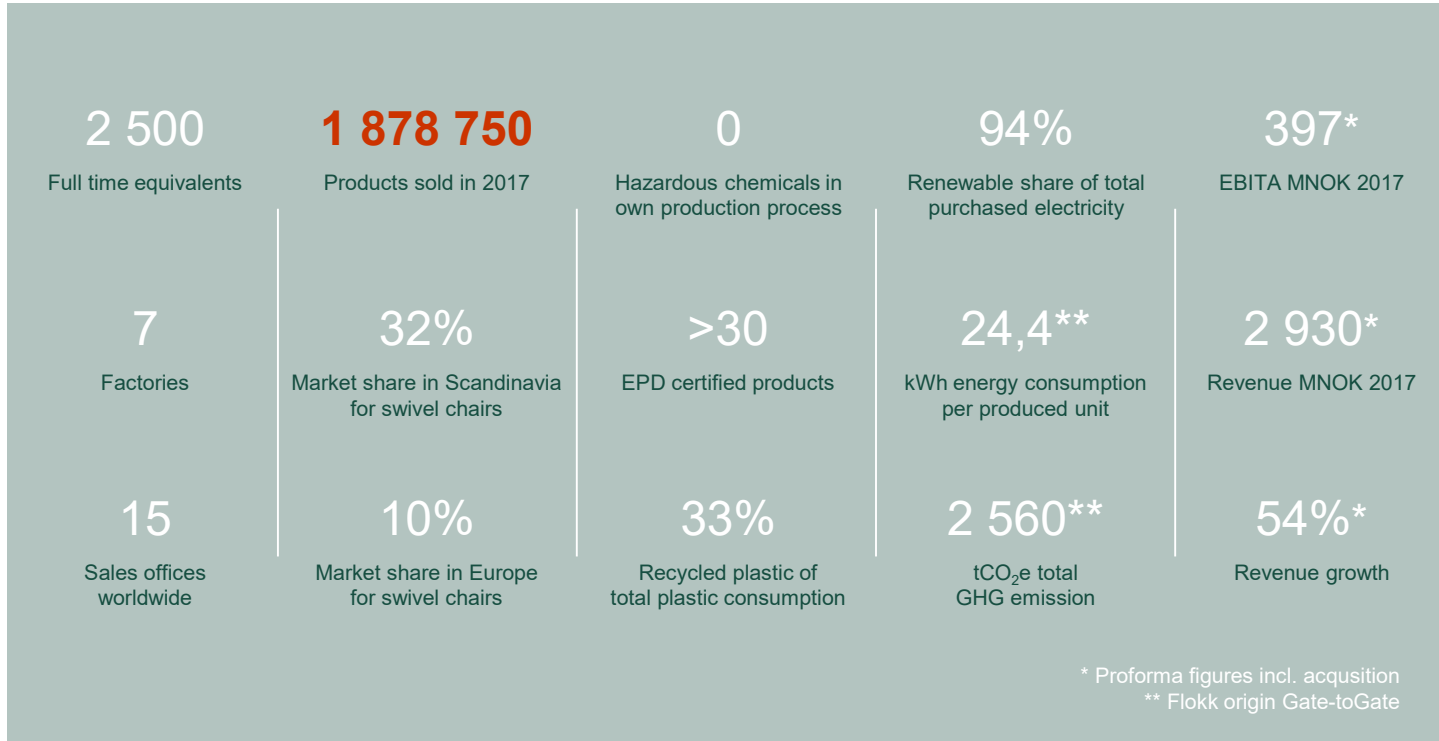


Bringing life to rooms

The best ideas are created when people can meet, share and develop together. RBM are chairs & tables bringing life to rooms.

l:l:l:l:

Flokk at a glance



Selected awards:



reddot design award
best of the best

DOGGA AWARD



«The total scale represents 1.35°C» @ed_hawkins

1900 1910 1920 1930 1940 1950 1960 1970 1980 1990 2000 2010



Can we agree that

**Climate Change
is our
biggest challenge?**





Sustainability is
not a
communication
concept

Circular Economy in Practice – Relying on changes in customer behavior

Uw Axia® blijft geld waard

TERUGNAME GARANTIE 50.-

bma

Home | Axia producten | Zitstructuur | Over BMA | Duurzaam | Contact

Zoek een Second-Life Axia

Mijn winkelwagen | Inloggen

Axia® Second Life: Ook tweedehands Axia® bureaustoelen blijven geld waard. Klik op de banner voor meer informatie over deze unieke garantie!

Axia® Second Life bureaustoelen met gereinigde kussens

- ERGONOMISCH
- DUURZAAM
- 1 JAAR GARANTIE
- STATIEGELD

218.- incl. 21% btw

BESTEL NU!

bma

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Axia® Second Life: bureaustoelen met alle ergonomische functies. Kies voor duurzame ergonomiel!

- 7 Years on the market, in the worlds most circular-oriented market
- Approx. 1 million BMA Axia office chairs sold
- Still only 2000 units returned, refurbished and sold
- We will develop this further, improve our model & implement in other markets

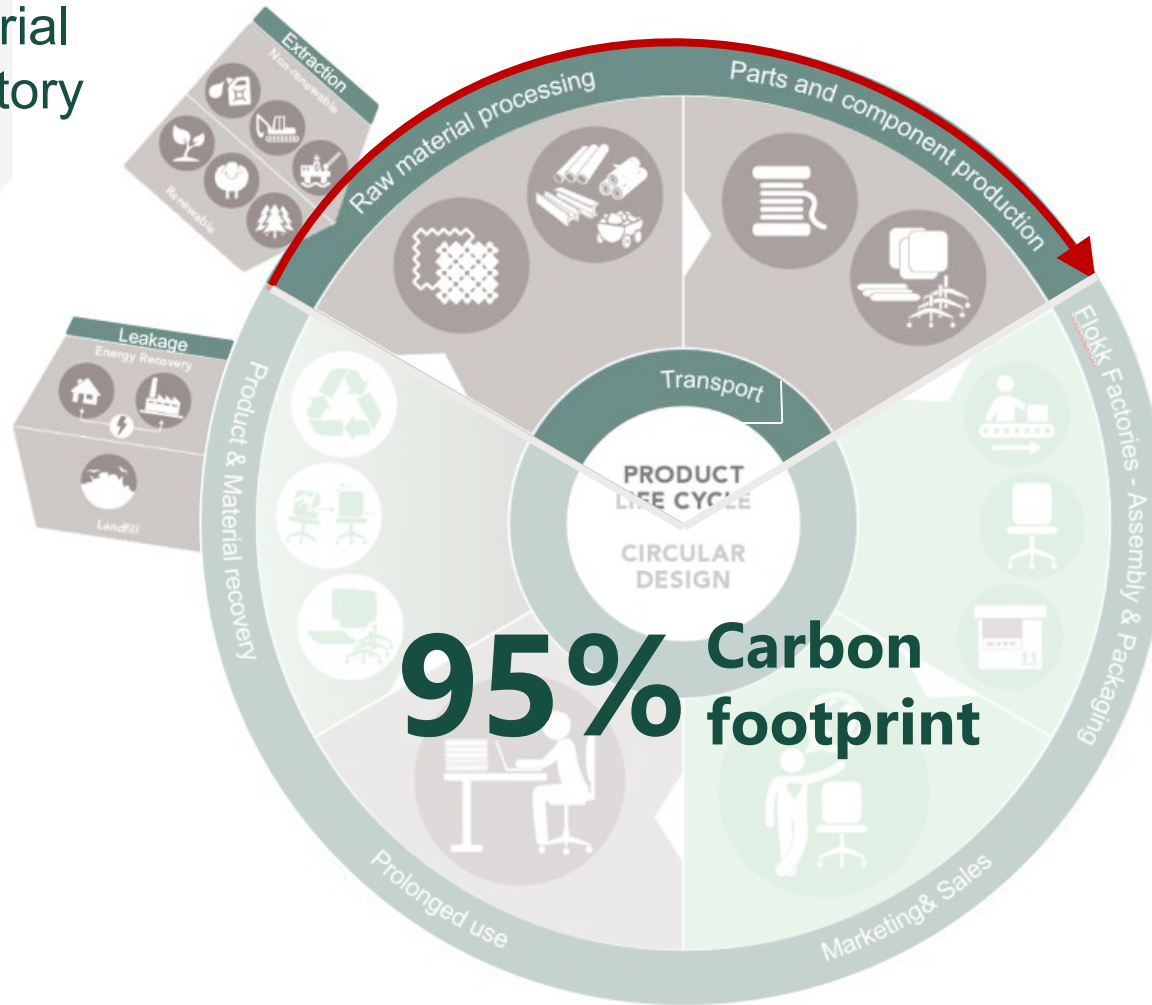
FLOKK ECO DESIGN CRITERIA



- 1. Low weight.** Fewer materials – weight optimization.
- 2. Fewer components.** Integrated functions, resource efficient solutions, fewer tools, less processes, less packaging & transportation
- 3. Right choice of materials.** Avoid harmful substances, reduce carbon footprint, increase use of renewable and recycled materials
- 4. Long life span.** Reduce need to replace our chairs. Timeless designs, high quality, flexible adjustments, changeable wearing parts
- 5. Design for disassembly.** Keep materials in closed loop, easy to sort for recycling with marked parts.

- I. Climate.** Lowest possible carbon footprint
- II. Resources.** Reduced use of resources and minimised weight
- III. Health.** Reduced use of hazardous chemicals

From Raw material extraction to factory doorstep



- Design
- Engineering
- Materials
- Suppliers

Life Cycle Analysis is the obvious method, focusing carbon footprint
 ISO 14025 ensures harmonized calculation & comparable results.



epd-norge.no
 The Norwegian EPD Foundation
ENVIRONMENTAL PRODUCT DECLARATION
 In accordance with ISO 14025 [1]

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HÅG Futu mesh 1100
 Including variants, page 6
 Product

Flokk AS
 Manufacturer

HÅG • RH • GROFLEX • BMA • OFFECC • RBM

NEPD-1610-639-EN HÅG Futu mesh 1100

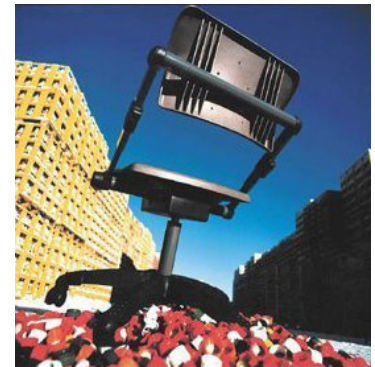
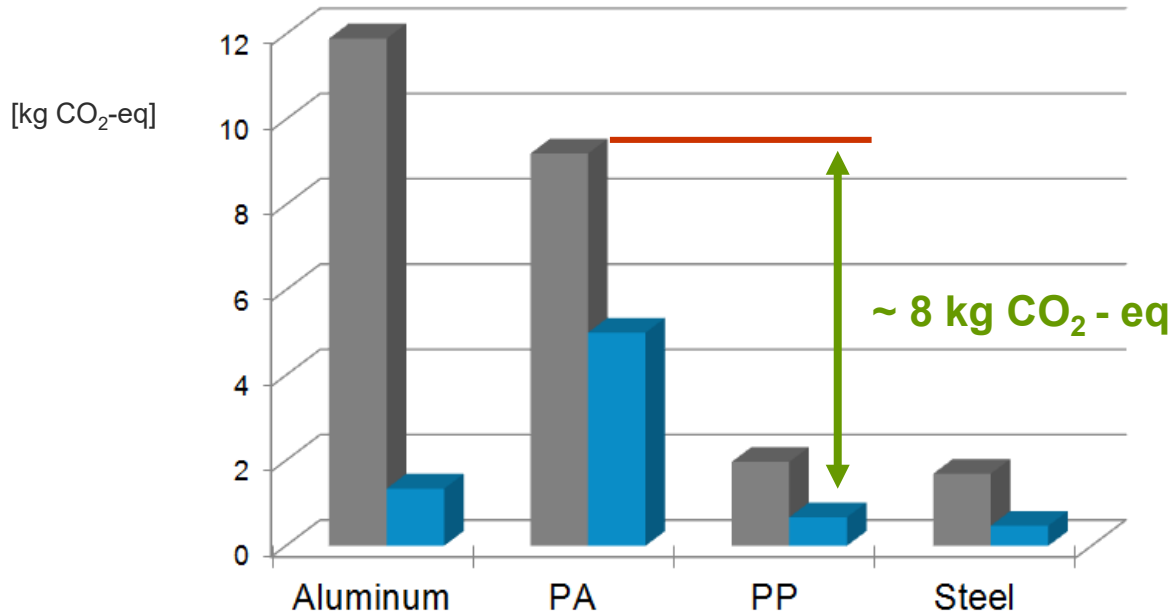
✈ Return trip Oslo-Brussels: **160 kg CO₂ per person**

Key environmental indicators for HÅG Futu Mesh 1100	Unit	Cradle to Gate A1-A3
Global warming (carbon footprint)	kg CO ₂	54.5
Total energy use	MJ	975
Amount of recycled materials	%	40%

Reduced greenhouse gas emissions, while creating a market for waste.
Both objectives are met by using post consumer recycled plastics.



GHG emissions per 1 kg raw materials:



■ Virgin
■ Recycled



Why is that important? Well, compare to everyday objects..

One chair

19 kitchen knives
335 beverage cans
145 shampoo bottles



1.32 kg recycled steel
8.25 kg recycled aluminium
5.09 kg recycled plastics



One annual volume

(Estimated 50.000
units/year)

63 t recycled steel
395 t recycled aluminium
165 t recycled plastics

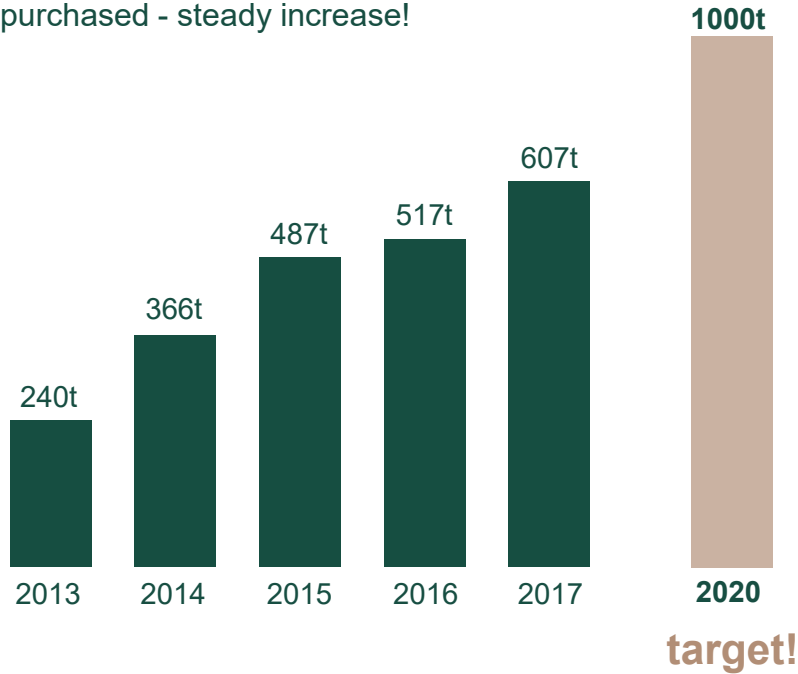


Post consumer recycled
material

Latest development - use of recycled plastics (~ 70% post consumer)

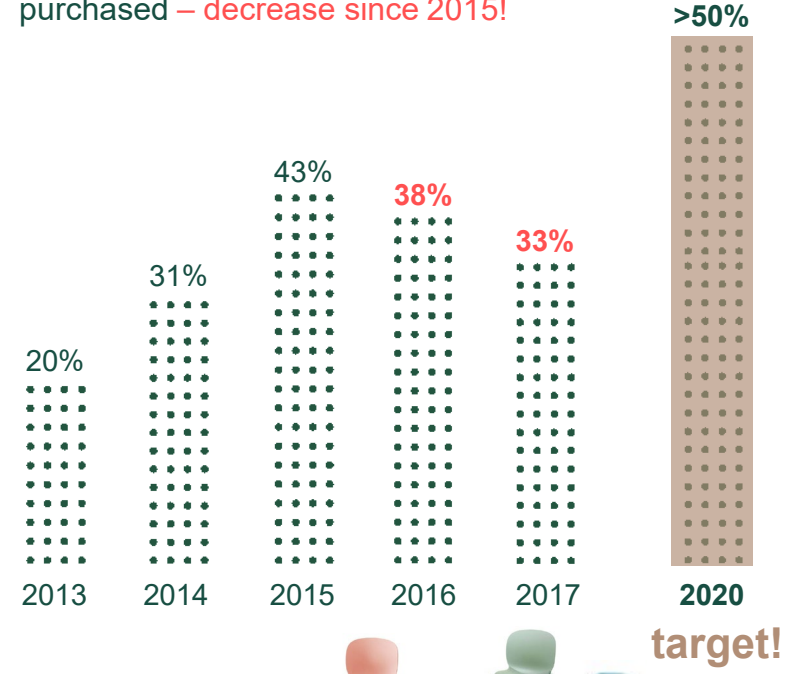
total amount recycled

purchased - steady increase!



recycled share of total plastics

purchased - decrease since 2015!





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HÅG • PROFIM • RH • GIROFLEX • BMA • OFFECCT • RBM

Follow us for more on our sustainable design processes

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