



**BJV research ltd**

# F3K

FIBER OF 3000 CENTURY

NEW FIBER WITH COTTON FEELING  
AND SYNTETIC FEATURES

---

Presented by: Branko Jašš



# AGENDA

WHAT IS F3K

.....  
FIBER OF THE THIRD MILLENNIUM

.....  
ESTHETICS

.....  
PROPERTIES OF PP & ADD

.....  
MORE TESTING

PROPERTIES OF F3K FIBER

.....  
TEXTILE

.....  
PROPERTIES OF ADD FIBERS

.....  
BY TESTING WE FOUND OUT

.....  
YOUR QUESTIONS





# F3K

NEW ADD APPLICATION IN SYNTHETIC FIBRES

THE REVOLUTION IN SYNTHETIC FIBERS



# F3K FIBER

COMBINES THE BEST PROPERTIES OF  
NATURAL COTTON, MERINO AND  
FUNCTIONAL SYNTHETIC FIBER







# **EXCELLENT THERMAL INSULATION LIKE WOOL AND MERINO**

F3K fibre is suitable for any kind of weather conditions. It will keep your body in perfect temperature for all the time. Our technology helps control your core temp no matter the activity or weather.



# BREATHABILITY

The fiber provides top levels of breathability. It pleasantly warms your body in winter and pleasantly cool in summer. So either way you will feel very comfortable.







# MOISTURE WICKING, SWEAT WICKING

The best proof for this statement is a great "warm effect". Even when the fibers are wet or sweaty you do not feel cold. When you're hot, patented active particles embedded in the material remove sweat in the vapor stage before liquid sweat forms, cooling you down. When you're cold, those same active particles trap energy and remove moisture to help keep you warm.




# LIGHTNESS

The fabric is soft and also pleasant to the touch like cotton. It has great features that meet the highest criteria.





The image features a background of various fabric swatches in shades of grey, white, and beige, arranged vertically. Overlaid on these are large, semi-transparent geometric shapes: a light blue triangle at the top, a dark blue triangle at the bottom, and a green triangle at the bottom left. The text is positioned on the right side of the image.

# **STATITIC ELECTRICITY REMOVAL**

F3K has anti-static properties due to its natural neutral charge and ability to absorb water vapor. The high percentage of water vapor stored in the fabric makes it nearly impossible for a static charge to build up.



# ANTIBACTERIAL EFFECT

Prevents microbes from growing. Since F3K manages moisture so well, there is no wet environment for that bacteria to grow.








# COMFORTABLE

Material is excellent for high-intensity exercise because it wicks away sweat from the skin, dries quickly, is durable and feels comfortable to workout in.



# WE HAVE NEW PATENTED FIBER

- SPECIAL STABILIZED SYSTEM FOR FIBERS
  - DOSAGE OF ADD, WHICH WORKS VERY GOOD
  - FABRIC WITH ADD LOOKS LIKE NATURAL
  - TYPE ADD, WHICH ONE WORKS
  - FIRE OR BURNING PROTECTION ADD
- 





# F3K

- DOES NOT BURDEN THE ENVIROMENT
- WITHOUT LIMITS
- DRIES QUICKLY AND THE BODY IS DRY
- DOES NOT CHANGE THE LOOK



# FIBER OF THE THIRD MILLENNIUM

## SAVES WATER

---

**F3K PRODUCTION PROCESS CONSUMES 1000 TIMES LESS WATER THAN COTTON !!**

COMPARED TO THE OTHER FIBERS THE F3K IS EASY TO PROCESS, DOES NOT NEED TO BE WASHED SO OFTEN, SO IT IS MUCH MORE ENVIRONMENTALLY FRIENDLY !!





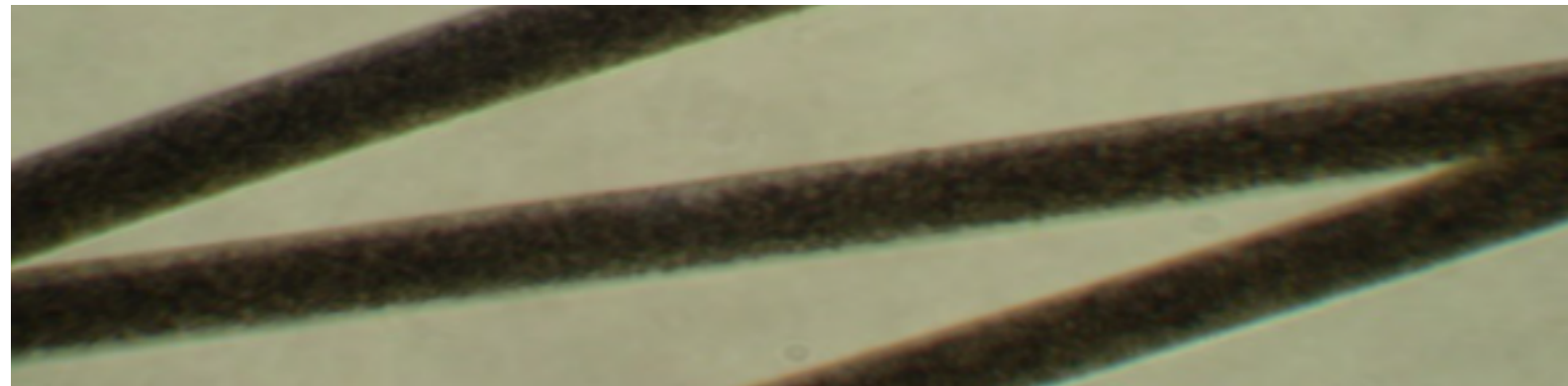
# **COTTON SHIRT MAJOR IMPACT ON THE PLANET?**

- IT TOOK 2,700 LITERS OF WATER
- IT TAKES A LOT OF ENERGY
- 100-120 KG CHEMICALS  
(WASHING, BLEACHING, COLORING...ETC)



# TEXTILE

THE RESULT OF THE APPLICATION OF THIS MODIFIED POLYPROPYLENE OR OTHERS POLYMERS FILAMENT IN KNITTING OR WEAVING PRODUCTS, IS APPROACHING THE PHYSIOLOGICAL CHARACTERISTICS OF FINISHED PRODUCTS TO PRODUCTS BASED ON NATURAL MATERIALS SUCH AS : WOOL OR COTTON.



**VIRGIN PP FIBER**

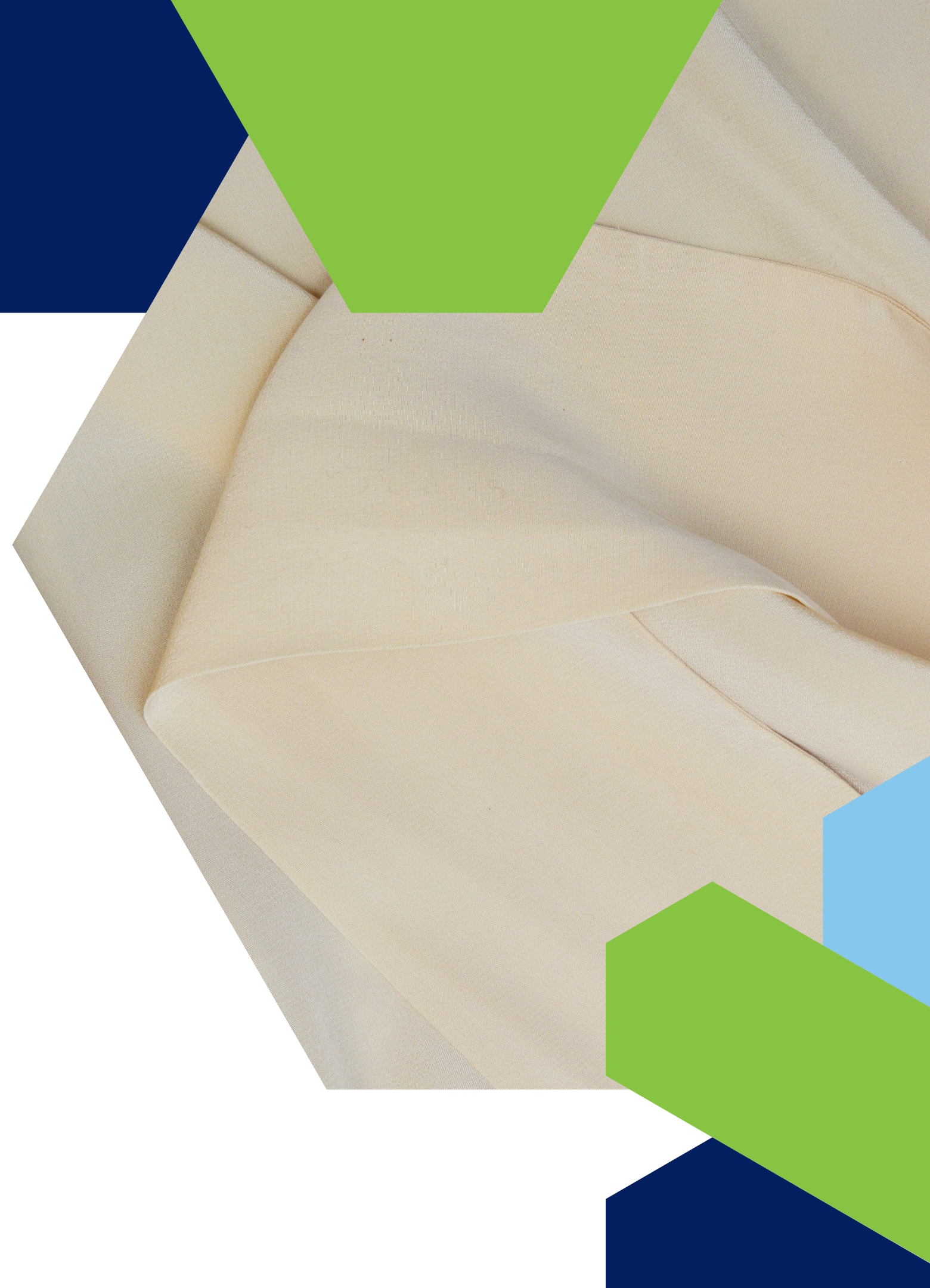


**PP FIBER WITH ADD**



# ESTHETICS

- FABRIC-LIKE NATURAL
- HAND FEELING
- SOFTNESS/COMFORT





# PROPERTIES OF ADD FIBERS

## COMFORT :

- WATER MANAGMET
- SOFT FEELING
- QUICK DRYING





# PROPERTIES OF PP & ADD

## COMFORT :

- BREATHABILITY
- BODY FEELING
- WARM FEELING/IF IT IS WET TOO
- LIGHTWEIGHT
- ABSORB STATIC ELECTRICITY





# PROPERTIES OF PP & ADD

- EXCELENT PRINTING P.
- ODOR RESISTANT/ABSORB
- MICROCLIMATE CONTROL
- TEMP ISOLATION /ADD
- EASY WASHING/LESS WATER





# BY TESTING WE FOUND OUT

AT THE FIRST GLANCE, THE T-SHIRTS ARE VERY COMFORTABLE AND LIGHT (LIGHT WEIGHT)

---

THEY QUICKLY SOAK IN SWEAT AND IN A MOMENT THEY ARE DRY AGAIN AND MAINTAIN A VERY PLEASANT COMFORT

---

EVEN AFTER BEING REUSED, THEY ARE VERY QUICKLY DRY AND CAN BE WORN AGAIN

---

THEY CATCH THE SMELL OF SWEAT AND THEREFORE DO NOT NEED TO BE WASHED AS OFTEN

---

# BY TESTING WE FOUND OUT

KEEPING THE BODY DRY, THE FIBER IS ALSO SUITABLE FOR MEDICAL USE



T-SHIRT IS PLEASANTLY WARM AT FIRST FEELING COMPARED TO ALL OTHERS



DO NOT IRRITATE SKIN



CAN BE USED FOR TEXTILE INDUSTRY SPORTSWEAR, FASHION, MEDICINE, AUTOMOTIVE APPLICATIONS, MEDICAL TEXTILES (E.G. BED SHEETS TO PREVENT CRAWLING)



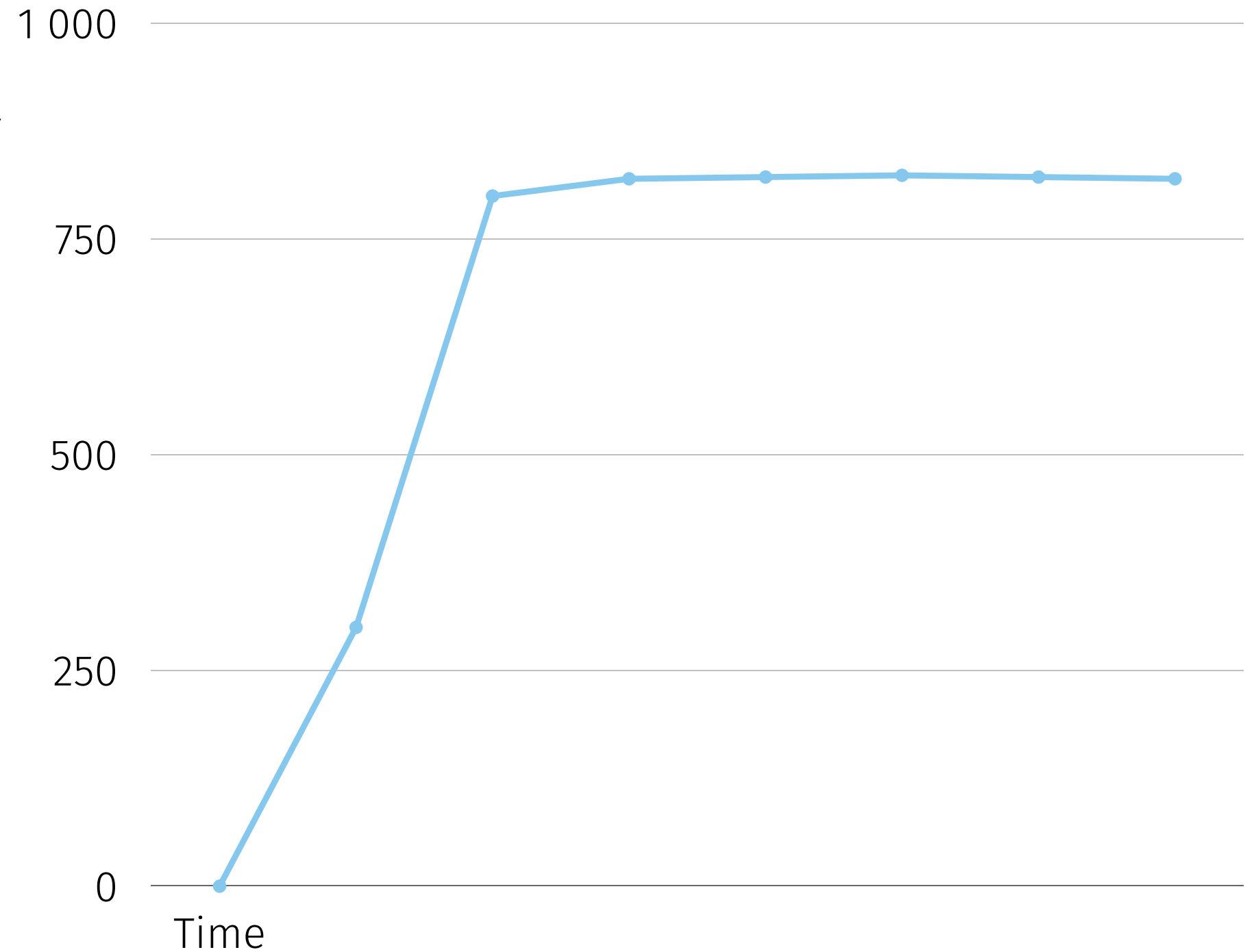


# FABRIC MOISTURE MANAGEMENT CAPABILITY TEST REPORT

## SAMPLE - NIKE DRY FIT/ PES

\*testing results in certificated textil lab in Dvur  
Karlove/ CZ

BY TESTING WE FOUND OUT THAT  
**TESTING PRODUCT HAS...**





# FABRIC MOISTURE MANAGEMENT CAPABILITY TEST REPORT

## SAMPLE – OUR X FIBER / PP WITH ADD

\*testing results in certificated textil lab  
in Dvur Karlove/ CZ



BY TESTING WE FOUND OUT THAT

**OUR PRODUCT HAS 5 TIMES BETTER ONE WAY TRANSPORT CAPACITY !**

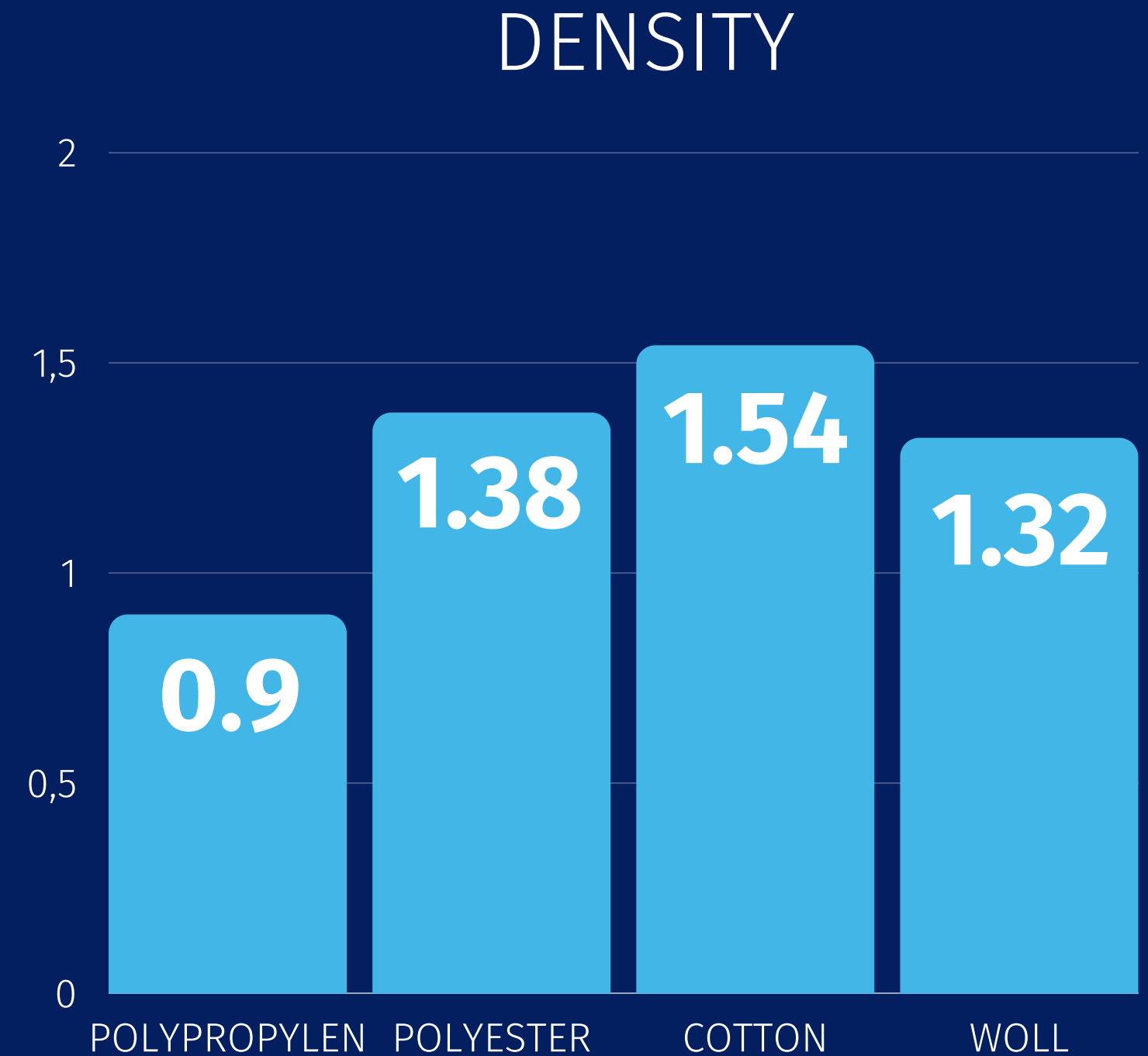


# COMPARISON OF PROPERTIES

A COMPARISON OF PROPERTIES OF DIFFERENT FIBERS IN THE UNMODIFIED FORMS

## DENSITY

Fabric density helps explain the thickness of textile products. It is a measurement that provides the base weight of the fabric, given as a value of grams per square metre.



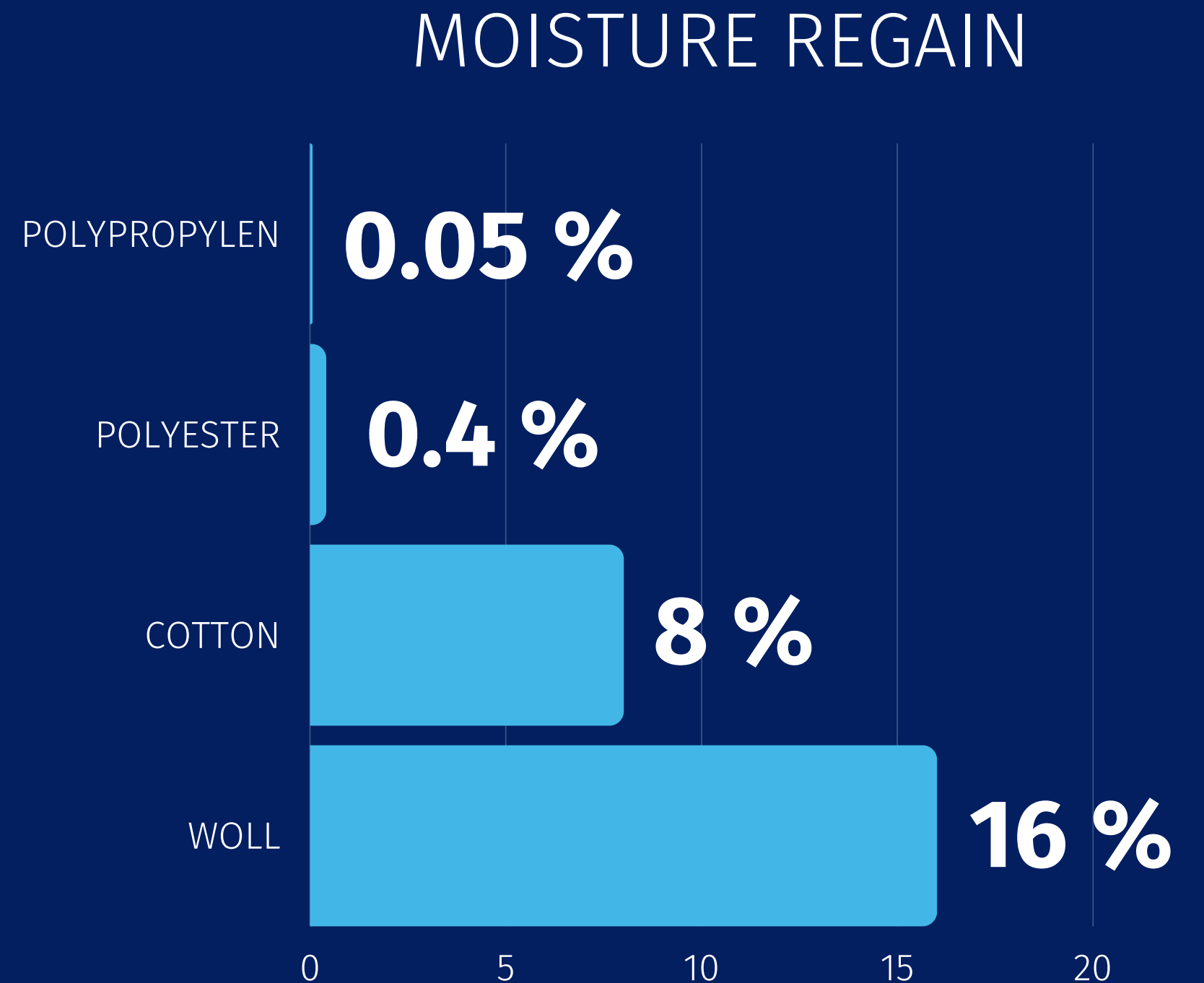


# COMPARISON OF PROPERTIES

## A COMPARISON OF PROPERTIES OF DIFFERENT FIBERS IN THE UNMODIFIED FORMS

### MOISTURE REGAIN (%)

The amount of moisture that a material is able to reabsorb after its has been dried. It is defined as the percentage of water present in a textile material of oven dry weight.





# COMPARISON OF PROPERTIES

**A COMPARISON OF PROPERTIES OF DIFFERENT FIBERS IN THE UNMODIFIED FORMS**

## **DURABILITY**

F3K material is also durable. Besides offering stain resistance, it can hold up to repeated use. The plastic fibers are less prone to the typical wear and tear experienced by other fabrics such as cotton or polyester blends.

## DURABILITY

POLYPROPYLEN



POLYESTER



COTTON



WOLL



# COMPARISON OF PROPERTIES

A COMPARISON OF PROPERTIES OF DIFFERENT FIBERS IN THE UNMODIFIED FORMS

## INSULATION POWER

It has specific properties that allow for temperature regulation in warm summer months and chilly winter evenings.







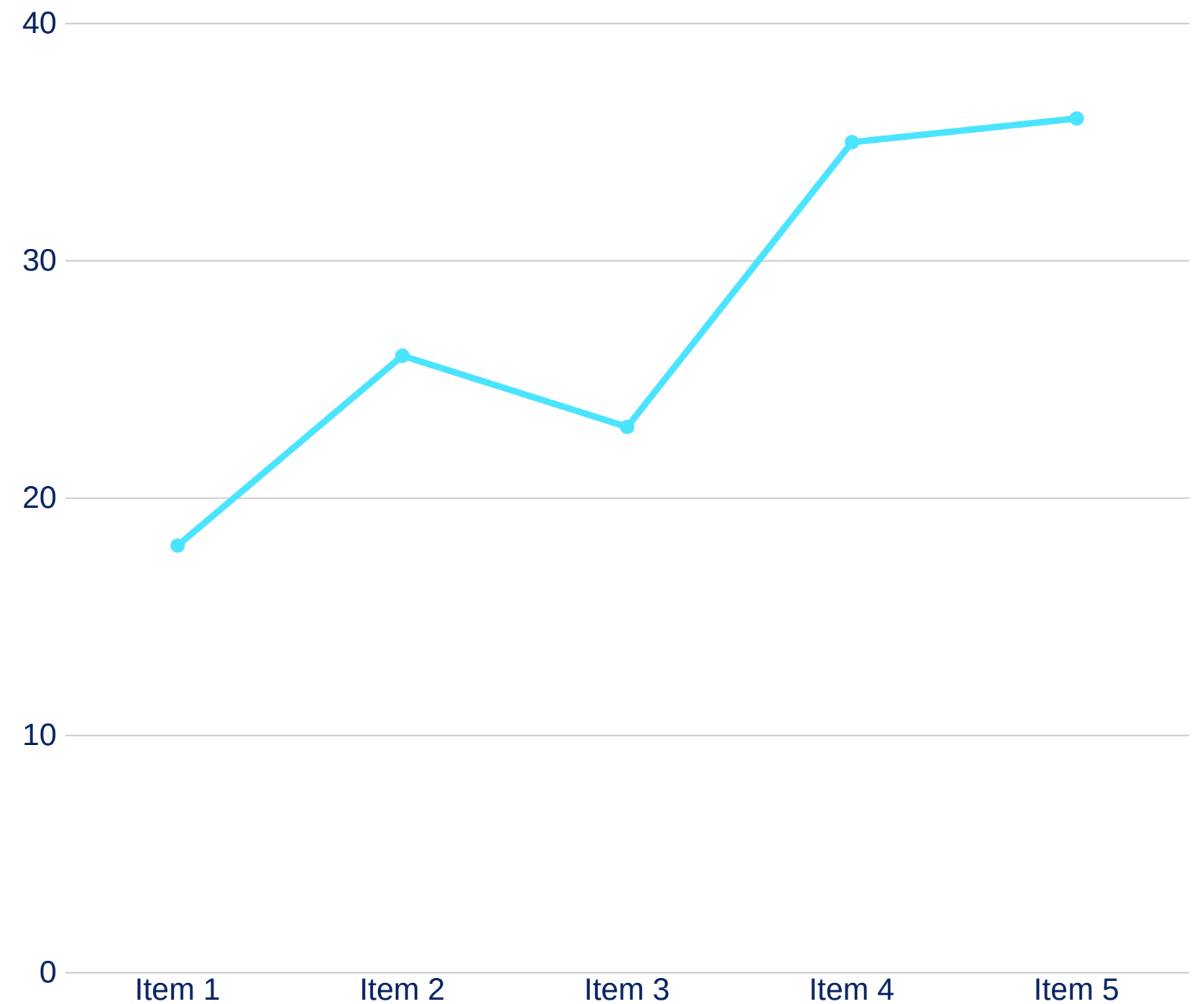
**BJV research ltd**

**THANK YOU!**

**FEEL FREE TO APPROACH US IF YOU HAVE ANY QUESTIONS.**

# ZÁUJEM O PEŠIU TURISTIKU

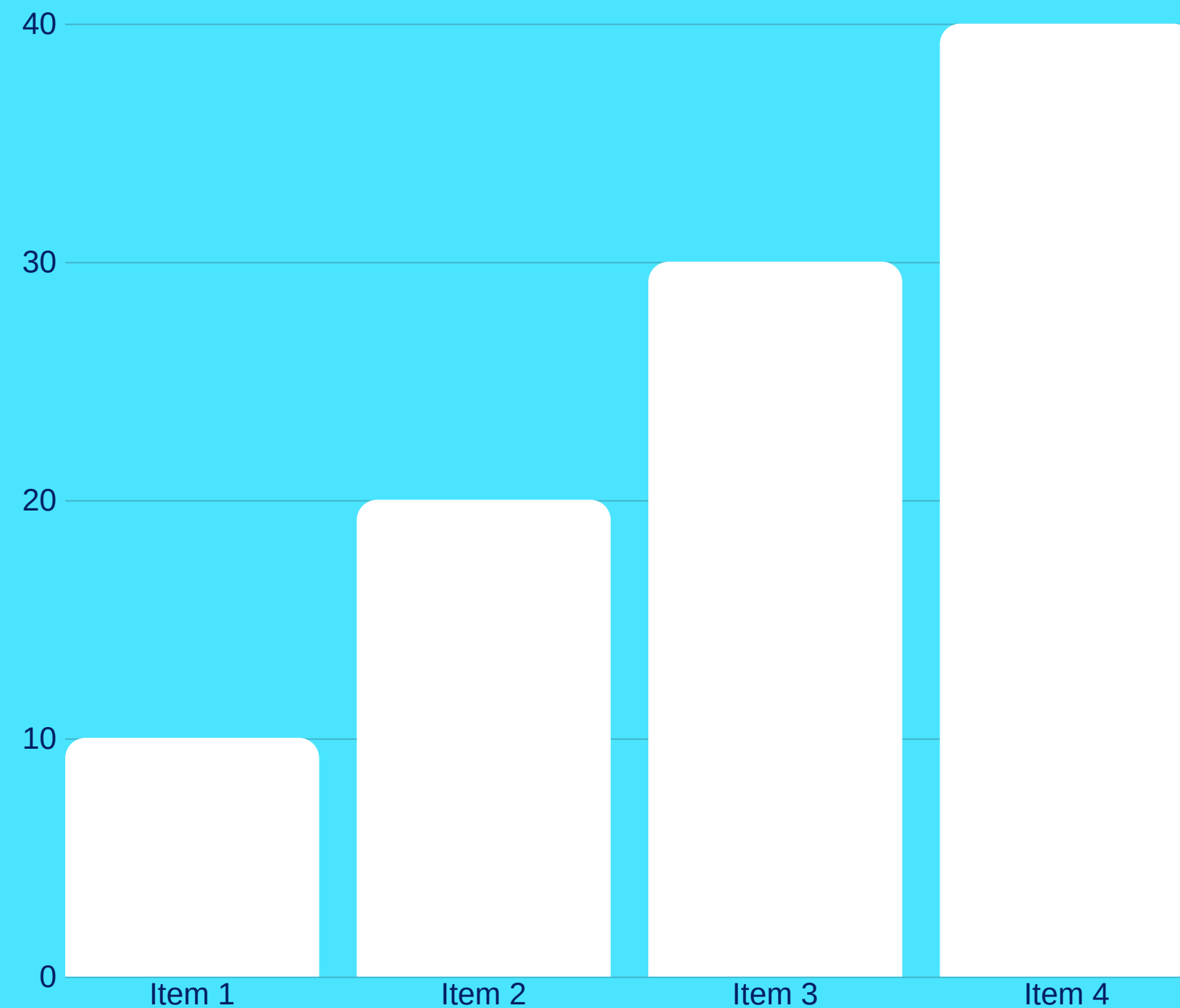
ZÁUJEM SA  
VÝRAZNE ZVÝŠIL





# NA TÚRY CHODÍ KAŽDÝ!

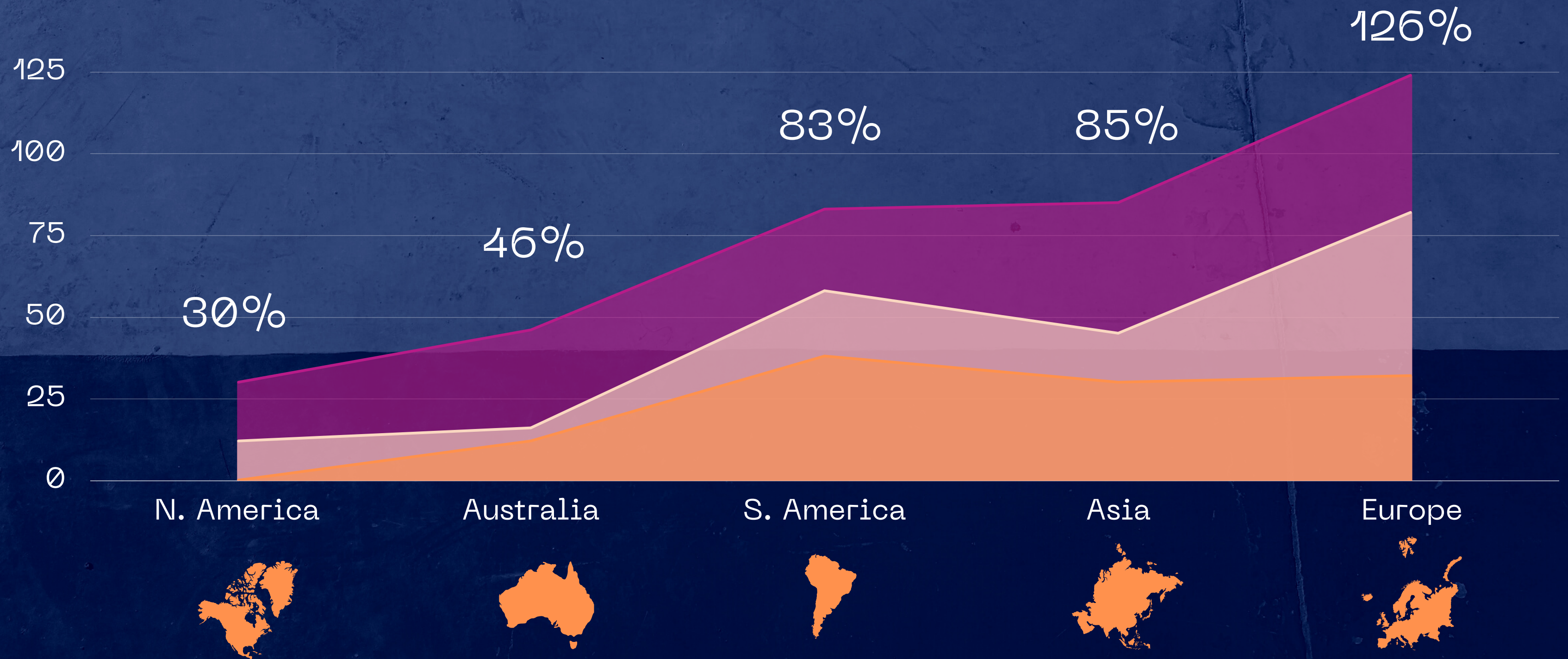
ZVÝŠENIE POČTU REZERVÁCIÍ  
TURISTICKÝCH BALÍČKOV





# Network Growth

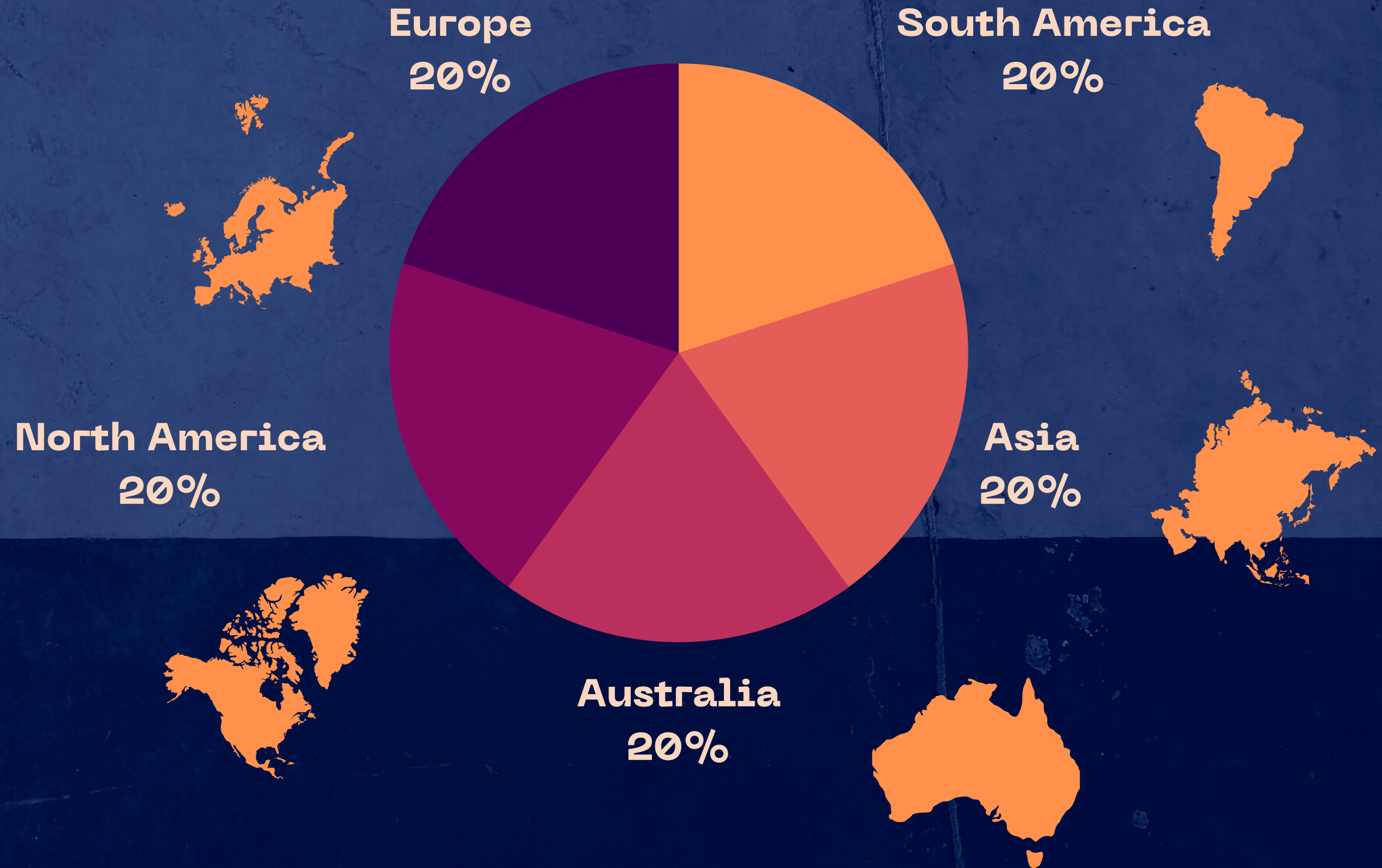
Number of new factories





# Gross Profit Source

According to 2020 Sales





# GROSS PROFIT SOURCE

Number of new shops



Machines



Accessories



Fashion