



**čateks** d.d.

**ČAKOVEC**

**WEBSITE**

cateks.hr

*since 1874.*

DEFEND



MEDICAL

 **COMPAGO®**

HOME


DEFEND

PROTECT

MEDICAL

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# čateks d.d.

## ČAKOVEC

Čateks is one of the biggest textile producers in the region and one of the oldest in the southeastern Europe. It consists of three production departments: Textile, Coating and lamination department and Confection. Such an organization creates a vertically integrated production and allows better control of each production

phase and high degree of technological innovation by combining knowledge and experience of engineers in all production departments, which puts Čateks in a position of a producer in technical fabrics and materials of special applications and a higher added value.





## TEXTILE DEPARTMENT

The oldest facility that has a centennial tradition of fabric manufacture.

Production center Textile consists of two technologically linked facilities: Weaving and Finishing that produces a wide range of fabrics: workwear and fabrics for special applications as well as decorative and homewear fabrics. In the production process we use only yarns of highest quality supplied by trusted producers. We use 100% cotton, synthetic yarns (polyester, polyamide or modacril) or their blends with an ability to add fibers of antistatic or antimicrobial properties. Weaving with flame retardant fibers is also possible.

We specifically need to point out special fabrics made of a combination of CORDURA® polyamide and cotton fibers for the production of military and police uniforms of the highest quality. We offer a wide range of dyed and printed fabrics that can be modified according to different demands. Also, Textile department is well equipped for the development of new fabrics or designs in cooperation with our clients.

Dyeing and printing is done by using pigment, vat, reactive and disperse dyes, and dyeing also with cationic

and acid dyes. Production center is specialized for production and printing of military camouflage fabrics in accordance with rigorous requirements fabrics need to fulfil in the toughest field conditions. Modern technology enables a supreme fabric finishing in order for fabric to obtain the highest standards of quality. Some of the finishes are: water- and oilrepellency, antimicrobial treatment, antisoiling treatment, antcrease properties and insect protection finish.

An integral part of production is the Design department. Using modern graphic softwares enables a creation of prepress for laser engraving based on the specific requirements or development of new designs in accordance with the latest trends. Prepared prepress is engraved on roto printing screens using the latest laser engraving technology.

Our complete fabric assortment is in compliance with Oeko-Tex® Standard 100, class II.



## CONFECTION

The production center which produces protective wear and workwear, medical covers and different household textile products.



The department consists of: technical preparation, the cutting room, the sewing room and the packaging department. Department of technical preparation develops, constructionally and technologically, new sophisticated products with an emphasis on innovation, develops, analyzes and improves technological processes with the aim of creating quality product in accordance with the requirements and on time. This facility manufactures products for technical purposes such as protective clothing that protects against rain and wind, highly visible and working clothing as well as professional, military and police uniforms. Also, products of medical purposes, mainly mattress covers, sheets and pillowcases used in hospitals, homes for the elderly, hotels and household and end consumer products.

Protective wear and workwear are made of high-quality textile and artificial multilayer materials that protect against water and weather conditions, with stitching done on high-frequency and thermal welding machines. Feature of such machines is that there is no passage of the needle through the material. Such technology ensures waterproofness of the garments. This type of seam is also used for production of medical covers and pillowcases made of elastic polyurethane-

coated materials which are waterproof and breathable.

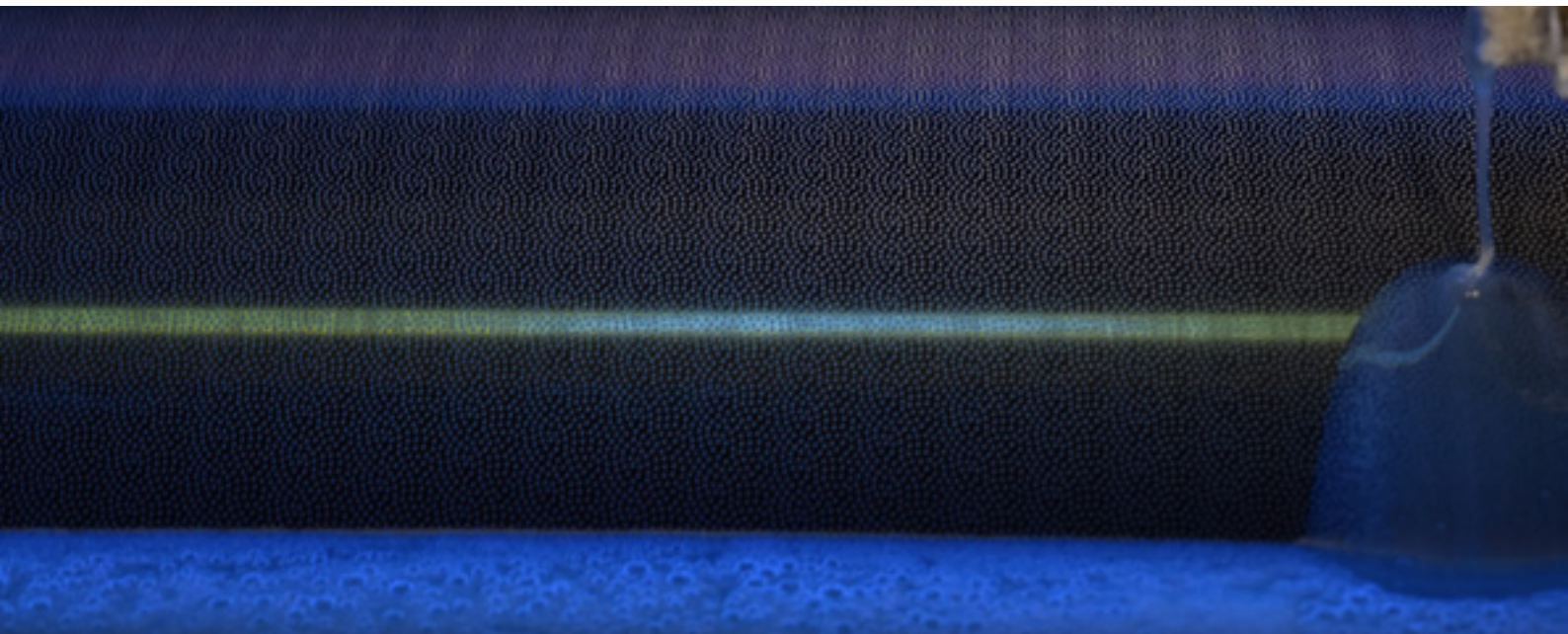
Protective clothing is in compliance with general HRN EN ISO 13688 standard for health and ergonomic requirements, HRN EN 343 standard for protection against weather conditions such as precipitations and wind and HRN EN ISO 20471 for highly visible, warning clothing.

Materials for protective clothing as well as medical products are so called multi-norm materials and they meet the Oeko-Tex® Standard 100, class II.

Kitchen towels are complying with Oeko-Tex® Standard 100, product class II, both for the materials and final products.

## COATING AND LAMINATION DEPARTMENT

Production center equipped with machines for coating and laminating.



Production center has coating production lines in widths of 150 and 220 cm that produces high quality technical materials based on polyurethanes that have features such as waterproofness, breathability, flameproofness, antimicrobial protection and many others.

Additionally this production center has the hot-melt laminating production line in width of 220 centimeters which enables production of multilayer materials with waterproof and breathable membranes that ensure great wearability and comfort of finished products.

It also has a small pilot-production line in width of 50 cm for quick development of new products and technologies.

Materials have a wide range of application. They are used for the production of police and military garments, waterproof, highly visible and fire retardant garments, workwear, mattress covers for hospitals, retirement homes, hotels and leisure centers and in cosmetic industry.

Raw materials used in production are made by European producers, which ensures production in accordance with REACH standard and that products meet the STANDARD 100 by OEKO-TEX®, product class II, which confirms they are not harmful for the skin.

The complete process of coating is completely ecologically accepted. Emissions are in accordance with EU directives. We have absorption and destillation plant and regenerative thermal oxidizer for emissions control.



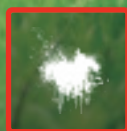
# COMPAGO®

## DEFEND

COMPAGO® Defend stands for top quality fabrics for special purposes, such as military and law enforcement garments, that are made of CORDURA® NYCO materials (cotton and polyamide blends), blends of cotton and polyester, 100% cotton, materials with inox or carbon fibers for antistatic properties or FR fibers

for fire retardant properties. Fabrics can be treated in a manner to fulfill specific demands: water and oil repellency, antisoiling treatment, anticrease treatment or insect protection.

### FABRIC PROPERTIES



ANTISOIL



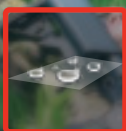
MICROBIAL  
BARRIER



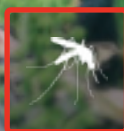
ANTICREASE



ANTISTATIC



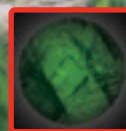
WATER  
AND OIL  
REPELLENT



INSECT  
REPELLENT



BREATHABLE  
FABRIC



IRR COMPLIANT

## **WE CARE ABOUT THE FABRIC QUALITY**

It is a challenging mission to offer a wide range of high-quality fabrics for special purposes. Within COMPAGO® Defend program we have developed specific fabric range that is in sync with purposes and budgets of our costumers. A special emphasis is given to widening our product range through an intensive product development program in cooperation with our partners and raw material producers. Since the primary goal is to fully satisfy client's needs, we place the highest level of quality on the market and we continually upgrade critical features like comfortability, moisture management, material life span and resistance to external mechanical and chemical effects. Therefore, we can guarantee optimal field characteristics by eliminating yet another factor that could potentially affect the focus of the end-user while completing combat missions.

## **SUPERIOR PRINT QUALITY WITHIN THE VISIBLE AND IR SPECTRUM**

In printed camouflage materials production we use only the highest quality of dyes and chemicals to provide the best color fastness even in the most demanding field conditions.

Using state of the art laser engraving equipment enables making even the most detailed camouflage patterns. All monochrome or camouflage fabrics can be NIR compliant.

All samples with specific colors are tested within laboratory conditions by using an IR spectrophotometer and are also tested within field conditions by using the latest generation of Night vision devices.





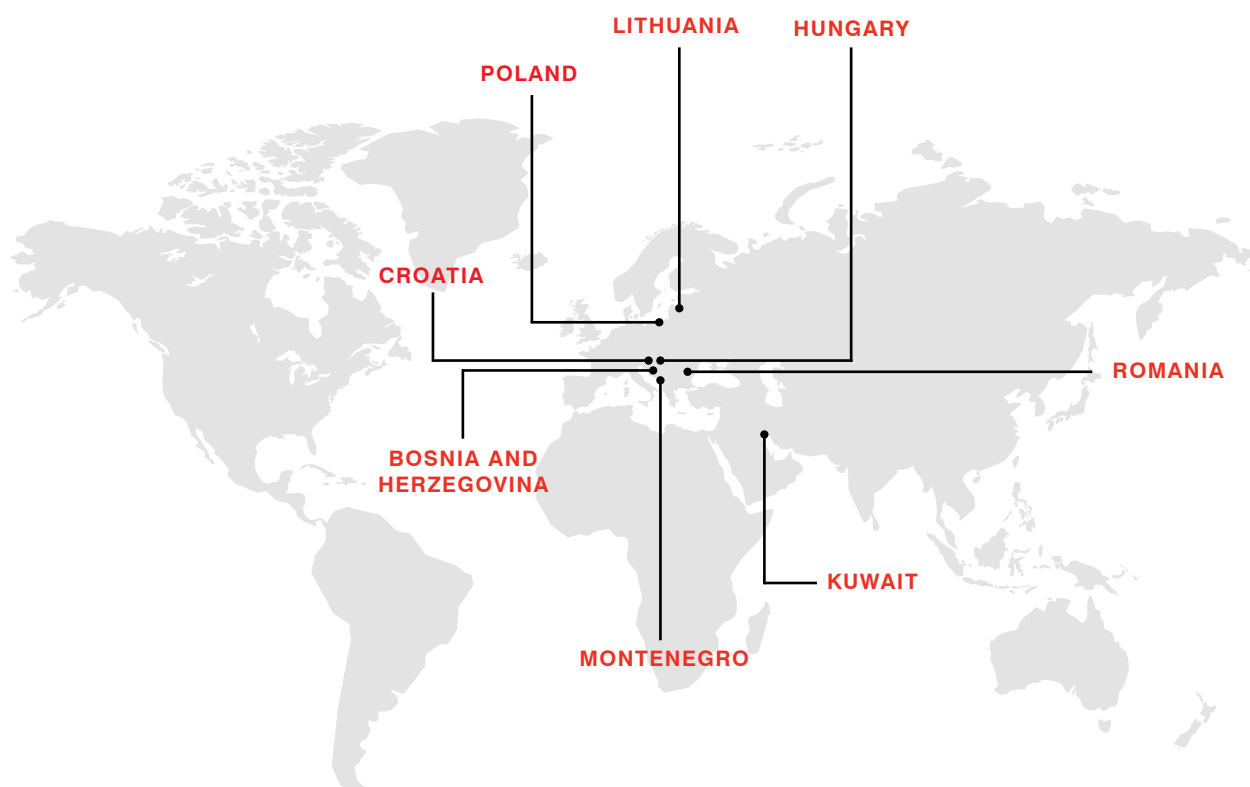
## ALWAYS BRINGING NEW AND INNOVATIVE SOLUTIONS

For more than 140 years Čateks follows the textile market, its progress, latest trends and technologies. Through the education of employees, knowledge transfer and sharing and our expertise in military industry, we have placed our company in a market position to keep a wide view on the needs and demands. Within our production plant we have a complete production process cycle - starting from fabric weaving to it's final form that is made for the most demanding combat missions. Considering that, it is logical that we initiate the most adapted innovations in fabric production, print and finishing process.

## WE ENJOY THE CONFIDENCE OF MILITARY UNITS AROUND THE WORLD

The development of camouflage fabrics started back in 1991, during the challenging times of Croatian war for independence, and that demanding experience has enabled us to offer our battle tested solutions to our foreign customers. Top quality of our COMPAGO® Defend program has been implemented in various military and law enforcement units in Europe as well as worldwide: Hungary, Montenegro, Bosnia and Herzegovina, Kuwait, Poland, Romania, and in 2017 we will also supply military forces of Lithuania.

## WE ENJOY THE CONFIDENCE OF MILITARY UNITS AROUND THE WORLD



## REFERENCES



CRO PAT WOODLAND



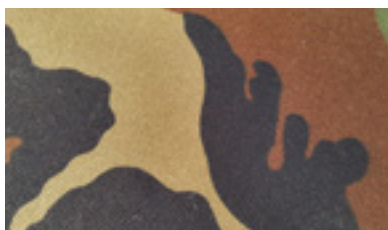
CRO PAT DESERT



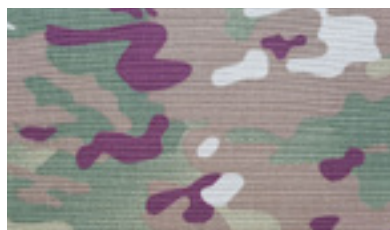
CRO PAT NAVY



DESERT

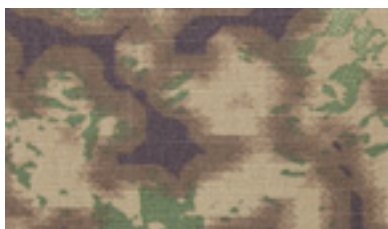


WOODLAND



V-CAMO KUWAIT

## OUR OWN CAMOUFLAGE PATTERNS



TRI/PAT DARKWOOD



TRI/PAT ARIDISOL



TRI/PAT ADRIA

**TRI/PAT™**



# COMPAGO® P R O T E C T

COMPAGO® PROTECT brand contains high quality technical materials that protect against weather conditions like precipitation and wind, protection against hazardous work conditions such as flames, oils or petroleum derivatives and during work in conditions of reduced visibility. Materials are divided

within three groups: polyurethane coated materials, multilayered laminated materials and treated cotton and mixed cotton-polyester fabrics.

## FABRIC PROPERTIES



MULTILAYER  
MATERIAL



WATERPROOF



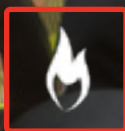
WINDPROOF



BREATHABLE



WATER  
AND OIL  
REPELLENT



FLAMEPROOF



ANTISTATIC



HIGHLY VISIBLE



MICROBIAL  
BARRIER



WATERPROOF  
SEAMS

## **WATERPROOF AND HIGH VISIBILITY GARMENTS**

Waterproof and warning, high visibility garments are made from high-quality, multi-layered materials, with seams made on high frequency or thermal welding machines.





# COMPAGO® MEDICAL

COMPAGO® MEDICAL is a line of technical materials with medical applications. They are specific in comparison with conventional materials due to their composition, method of production and durability. Materials are made of highly elastic polyester or polyamide knitwear coated with special protective polyurethanes. In this way the materials acquire specific technical qualities, becoming waterproof,

fireproof, antimicrobial, breathable, etc., at the same time offering excellent resistance to a broad spectrum of disinfectants and active chlorine. Materials in this product line can be repeatedly washed at 95°C and sterilized. Their main use is in the manufacture of medical cover for mattresses, pillows and medical accessories, as they are pleasant to the touch, antimicrobial and ensure long-term hygiene.

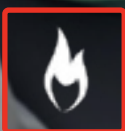
## FABRIC PROPERTIES



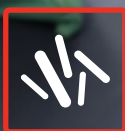
100% LIQUID  
PROOF



BREATHABLE



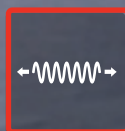
FLAMEPROOF



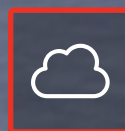
MICROBIAL  
BARRIER



WASHABLE  
AT 95°C



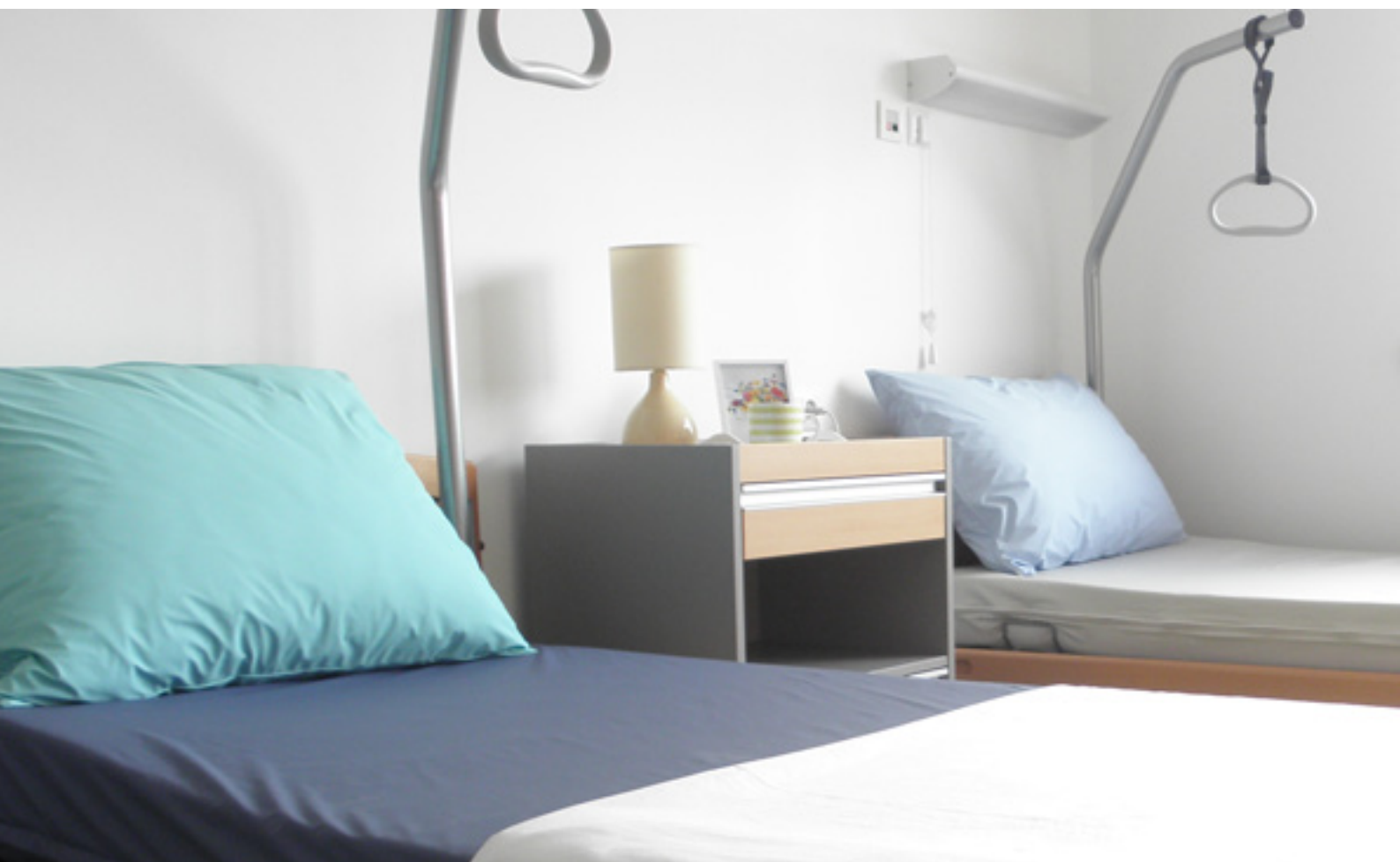
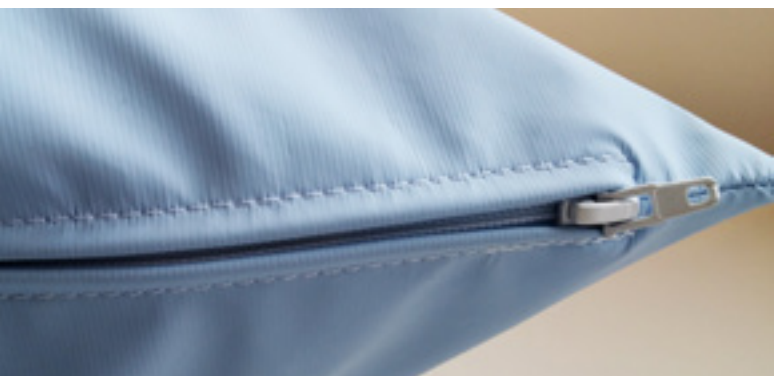
ELASTIC IN  
BOTH  
DIRECTION



HYGIENIC,  
SOFT,  
COMFORTABLE

## MEDICAL

Antibacterially treated and waterproof materials that ensure long-lasting hygiene, are comfortable to the skin and applicable for production of medical mattress covers, bed sheets, pillow cases and other medical accessories.





# COMPAGO® HOME

COMPAGO® Home brand combines decorative fabrics and finished products. Metric cotton decorative fabrics have attractive designs, which are in line with seasonal trends and occasions. Kitchen towels, aprons, gloves,

tablecloths, bed sets, comforters, decorative pillows, cushions for garden furniture and bean bags are all part of a modern home.

## FABRIC PROPERTIES



100% LIQUID  
PROOF



MICROBIAL  
BARRIER



WATER  
AND OIL  
REPELLENT



ANTICREASE

## METERAGE

Multicolor fabric prints and unique creations of Čateks Design department.

## END PROPERTIES



Various mechanical and chemical treatments: sanforizing, calendering, raising, water and oil repellent, antimicrobial, anticrease and antisoil.

## TABLE AND HOUSEHOLD CLOTHES

Kitchen towels, aprons and table cloths.  
Cushions for garden furniture, decorative pillows, bean bags.





PROTECT

HOME

INFO

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