

# TAYAL, S.P.A **COMPANY PROFILE**



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## 1. ABOUT THE COMPANY



*The Algerian for Textile Industries TAYAL, S.P.A is a joint venture established in Algeria since November 2013, founded by the companies C&H Group, E.P.E TEXALG, and MADAR Holding, with INTERTAY of the Turkish textile group TAY GROUP.*

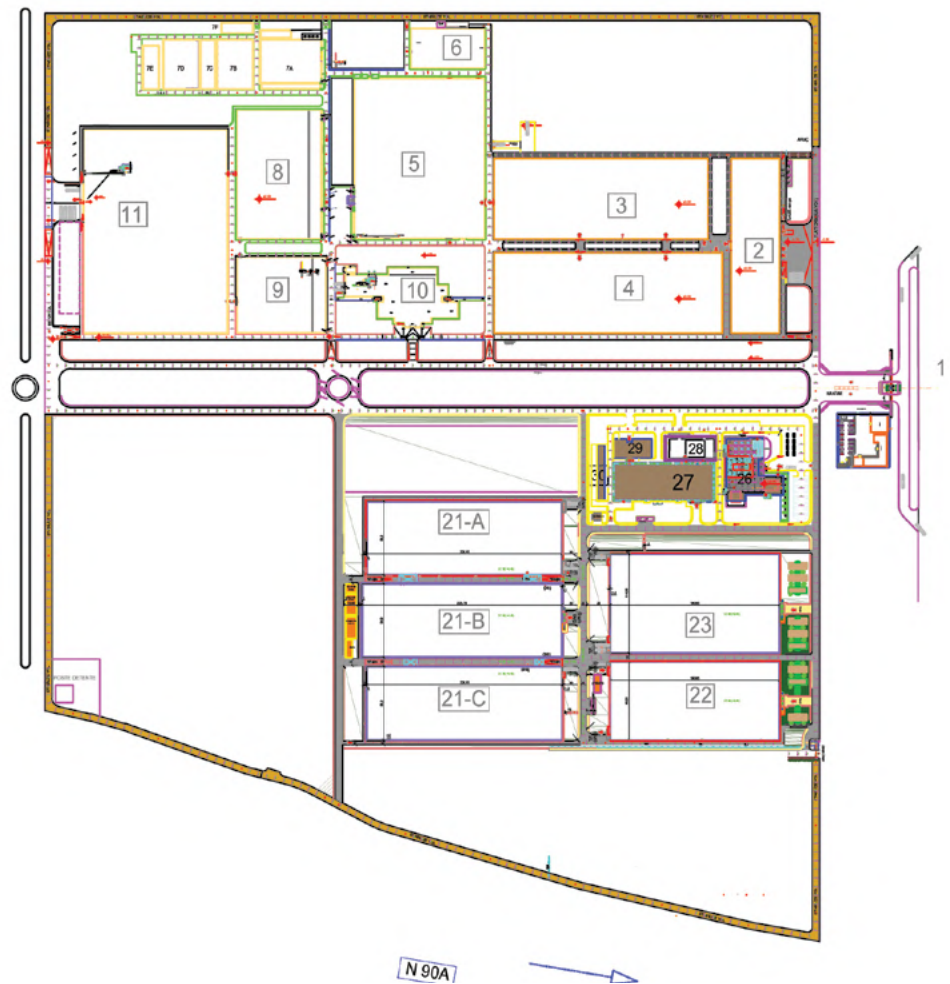
*The project is spread over an area of 2,500,000 sqm for its first phase, of which a portion of 1,000,000 sqm is already completed and functional, on which an area of more than 400,000 sqm is indoor, in the form of 30 blocks and units.*

*What makes TAYAL special is the fact that it is one of the few completely integrated textile complexes in the world, starting from cotton fiber to ready-to-wear garments, going through all the stages of fiber transformation, and consuming a considerable amount of cotton estimated at 40,000 tons annually, and thus creating around 10,000 jobs.*

*The four partners have over 60 years of experience in the textile industry. TAY Group, the Turkish partner, produces more than 25 million ready-to-wear garments in its factories in Turkey, Egypt and Serbia.*

*TAYAL has a production capacity of 30 million ready-to-wear garments annually, making the total production over 55 million pieces of garment per year.*

# 1. PROJECT OVERVIEW



<b>Block 02</b>	<b>Cotton warehouse</b>
<b>Block 03 &amp; 04</b>	<b>Two spinning factories</b>
<b>Block 05</b>	<b>Indigo plant and warp preparation</b>
<b>Block 06</b>	<b>Knitting factory</b>
<b>Block 07</b>	<b>Tri-Generation Power Unit</b>
<b>Block 08 &amp; 09</b>	<b>Two weaving factories</b>
<b>Block 10</b>	<b>Kitchen and refectory</b>
<b>Block 11</b>	<b>Three dyeing and finishing factories</b>
<b>Block 12</b>	<b>Wastewater treatment unit</b>
<b>Block 21, 22 &amp; 23</b>	<b>Four garment factories &amp; laundry</b>
<b>Block 25</b>	<b>Lodging</b>
<b>Block 26</b>	<b>Administrative buildings</b>
<b>Block 27</b>	<b>Application center (Confection)</b>
<b>Block 28</b>	<b>Training Center</b>
<b>Block 29</b>	<b>Cloakrooms, infirmary, prayer rooms</b>





### 3. WHAT WE DO

TAYAL is one of the largest vertically integrated textile manufacturers in the world. Transforming cotton fiber into yarn, of which it constructs denim fabric, non-denim fabric, shirting fabric, knitted fabric, that are then made into ready-to-wear garments.



#### YARN

Yearly consuming over **40,000 tons** of cotton at its full capacity. TAYAL produces **36,000 tons** of yarn ranging from the coarse count of **6 Ne** to the fine count of **80 Ne** using **101,184 spindles** and **2,700** Open End rotors. TAYAL produces **ring, carded, combed, compact, open end** and **plied** yarns, using **fibers of cotton, polyester, viscose, modal, tencel, linen**, making **core spun, slub, core spun slub, dual core** and **dyed yarns**.



#### FABRIC

Starting with its **high quality yarn**, TAYAL transforms it into **55 million meters** of woven fabric (**denim, non-denim** and **shirting fabric**) and **5,500 tons** of **knitted fabric**. Based on different types of yarn, and using an **arsenal of latest technology equipment**, TAYAL produces a **variety of fabrics** with a **wide range of compositions, widths, weights, dyes and elasticity**.



#### GARMENT

With a capacity of **30 million garments** per year, TAYAL aims to deliver over **12 million denim** and **non-denim**, **12 million knitwear**, and **6 million shirting** garments.



## 3.1. YARN PRODUCTION

### COTTON FIBER

Consumption of 40,000 tons / year  
Origin: Greece, Spain, United States, ... etc  
Better Cotton Initiative Certified  
OEKO-TEX® 100 Standard Certified

### PRODUCTION CAPACITY

36,000 tons/year  
From 6 Ne to 80 Ne (Nm 10 Nm 135)  
101,184 spindles, 2,700 rotors  
500 tons/month **Open End** yarn,  
500 tons/month **Combed & Compact** yarn,  
2000 tons/month of **Ring Carded** yarn

### YARN TYPES

Ring Carded  
Combed  
Compact  
Open End  
Plied  
Core Spun  
Core Spun Slub  
Dual core  
Slub yarn

### YARN COMPOSITION

Cotton  
Poly / Cotton  
Cotton / Viscose  
Cotton / Linen  
Cotton / Tencel  
Dyed yarn

### TECHNOLOGY

Contamination-free  
Jossi in blowroom  
Uster Quantum 3 in bobbin



**BCI** Better Cotton Initiative™  
BetterCotton.org

**OEKO-TEX®**  
CONFIDENCE IN TEXTILES  
**STANDARD 100**  
CR005 162160 OETI

Tested for harmful substances.  
[www.oeko-tex.com/standard100](http://www.oeko-tex.com/standard100)







## **3.2. FABRIC PRODUCTION**

### **PRODUCTION CAPACITY**

**Woven fabric: 54 million meters/year**

**456 Picanol Optimax-I**

**Knitted fabric: 5,500 tons/year**

**48 Mayer & Cie machines**

### **DENIM FABRIC**

36 million meters / year

100% cotton

Poly/cotton

Cotton/viscose

Cotton/linen

Cotton/tencel

2 Karl Mayer machines for rope dyeing

5 oz – 15 oz (170 gr / m<sup>2</sup> – 500 gr / m<sup>2</sup>)

Sulphure dyed, indigo dyed, reactive dyed, indanthren and overdyed fabrics.

Up to 90% elasticity

Width up to 200 cm in rigid fabrics

Width up to 170 cm in stretch fabrics

### **GABARDINE & SHIRTING FABRIC**

18 Million meters / year

Sulphure dyed, Disperse for polycotton,

Reactive dyed, Indanthren dyed, & Yarn dyed fabrics

100 gr / m<sup>2</sup> – 500 gr / m<sup>2</sup>

### **KNITTED FABRIC**

5,500 tons / year

48 Mayer & Cie machines

Single jersey, interlock, ribana, 2 yarn, 3 yarn fleece, jacquard, piqué as well as elastane-composed fabrics.







### 3.3. GARMENT PRODUCTION



#### PRODUCTION CAPACITY

**30 million** articles / year

#### DENIM & NON-DENIM GARMENTS

**12 Million** pieces / year

*Pants*  
*Jackets*  
*Canvas*  
*Shorts*  
*Bermuda*  
*Capri*  
*Workwear*

#### KNITWEAR

**12 Million** pieces / year

*Tee Shirt*  
*Polo*  
*Sweatshirt*  
*Jogging*  
*Underwear*

#### SHIRT

**6 million** pieces / year

*Short sleeves*  
*Long sleeves*  
*School aprons*  
*Work aprons*  
*Traditional outfits*







THE GLOBAL GOALS  
For Sustainable Development

## 4. SUSTAINABILITY

*TAYAL has been emphasizing on sustainability since its foundation by investing in affordable and clean energy and water treatment facilities. We are also dedicated to obtain all the necessary sustainability certifications.*

*TAYAL has already obtained BCI cotton and Oeko-Tex® 100 Standard certificate for yarn.*

*In addition, TAYAL is in the process of obtaining GOTS, GRS RCS, and OCS certifications.*



### 4.1. ENERGY



#### TRI-GEN POWER UNIT

Among the most important aspects of this investment is the Tri-Gen power unit. In order to keep the stability, durability, and the high quality of our products, and to avoid shared power cuts, TAYAL has a unit with eight (08) natural gas engines generating 4.3 MW of electricity each, which makes 35 MW in total.

#### WHY TRI-GEN?

Because from natural gas, we produce:

<b>Electricity:</b>	<b>35 MW</b>
<b>Water steam:</b>	<b>24 t / h</b>
<b>Cold water:</b>	<b>10 MW</b> in cooling energy







## 4.2. WATER TREATMENT



### WASTE WATER

Being a responsible company, TAYAL has invested in a wastewater treatment plant.

### TREATMENT CAPACITY

10.000 m<sup>3</sup>/day

### TREATMENT METHODS

Chemical  
Biological





## 5. TAYAL ACADEMY

### 5.1. TRAINING CENTER

*TAYAL aims to contribute to the professional development and evaluation of the textile know-how of a new generation in the country.*

TAYAL trains all its new recruits in theory and practice for all disciplines with a capacity of 150-200 people / month. The application center currently includes 500 people in hands-on training.



**1,100 sqm**

of training area in a dedicated building



**3 classrooms**

for industry induction



**5 classrooms**

for practice and advanced textile training



**2 classrooms**

for dexterity and hand skills development



**1 meeting room**

with a capacity of 20 people



**10 internal trainers**

for the different textile practices



**4 training specialists**

for program development



**4 instructors**

for practical application



**1 department chief**

for H.R. Development & Training

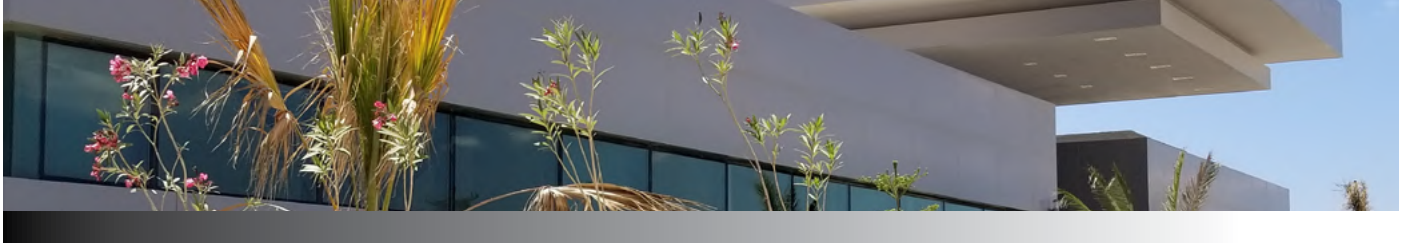


**31 tutors**

for induction and technical skills transfer

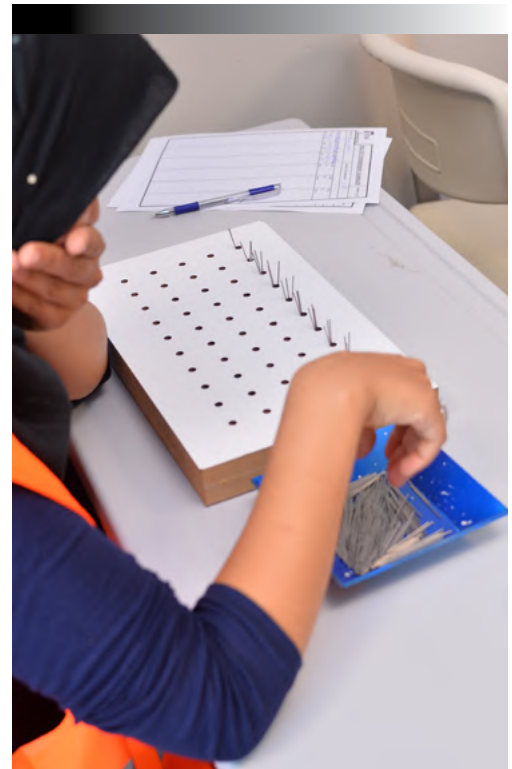




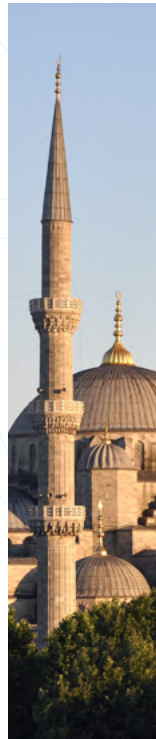
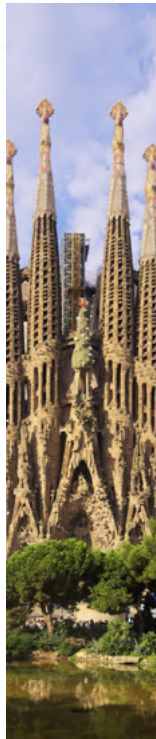
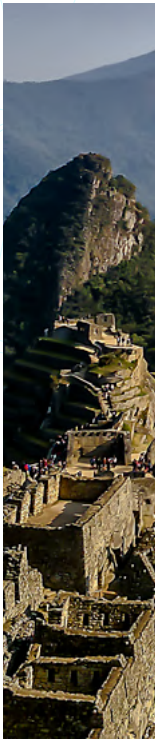
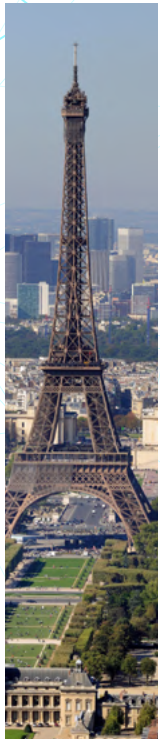
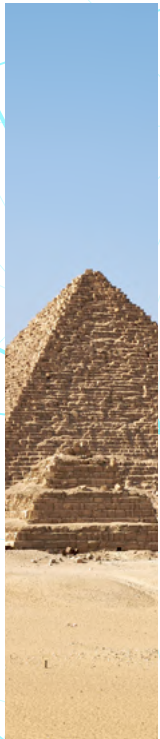
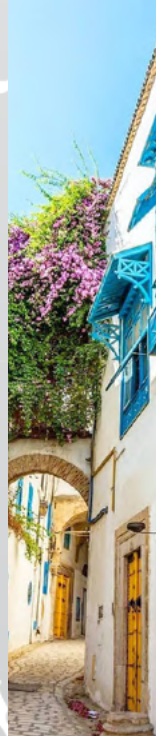


## 5.2. APPLICATION CENTER

Serving as a minimifed confection unit, the application center is currently hosting over 500 people in hands-on training.







## 5. EXPORTS





Since its first yarn export operation in June 2018, TAYAL has successfully exported a variety of its products to different countries including **Belgium, Egypt, France, Italy, Morocco, Peru, Poland, Portugal, Spain, Tunisia and Turkey.**



## **CONTACT**

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