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

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

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.

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.

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
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 / m² – 500 gr / m²)
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 / m² – 500 gr / m²

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
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:

<table>
<thead>
<tr>
<th>Resource</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity</td>
<td>35 MW</td>
</tr>
<tr>
<td>Water steam</td>
<td>24 t / h</td>
</tr>
<tr>
<td>Cold water</td>
<td>10 MW in cooling energy</td>
</tr>
</tbody>
</table>

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.
4.2. WATER TREATMENT

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

TREATMENT CAPACITY
10,000 m³/day

TREATMENT METHODS
Chemical
Biological
5.1. TRAINING CENTER

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.

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

- **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 minimified 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.**