

Fiber business — unit



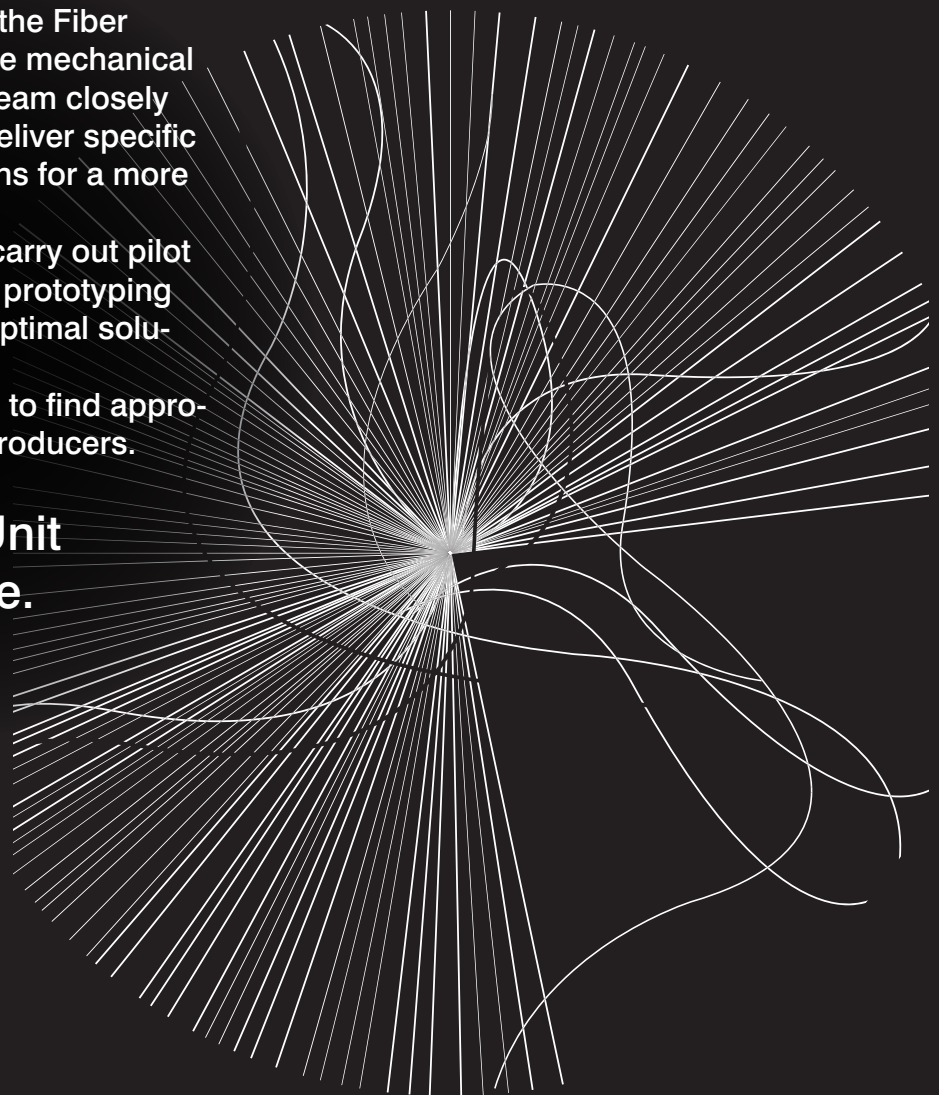
#Our expertise

With a decade of experience in the Fiber Drylaid transformation and in the mechanical recycling processes, the CETI team closely works with their customers to deliver specific requirements and lay foundations for a more sustainable textile industry.

Our platforms are equipped to carry out pilot and semi-industrial tests, in the prototyping phase, in order to transfer the optimal solutions at industrial scale.

Our textile ecosystem allows us to find appropriate partners, suppliers and producers.

**Our Fiber Business Unit
is a world class space.**



Ceti

TRANSFORMATIVE
TEXTILES



Our solutions for mechanical recycling

- Mechanical recycling investigation with post-production and post-consumer feedstocks for yarn spinning and nonwovens applications.
- Yarn spinning investigation through ring and rotor spinning with high content of recycled fibers

- Development of nonwovens products made of high content of recycled material through carding and airlaying process.
- From fibers to textile proof of concept (pilot scale and industrial demonstrator) thanks our pilot and sampling

- technologies (yarn spinning, weaving, circular knitting and Drylaid nonwoven technologies).
- Industrial transfer and skill training on sorting, mechanical recycling, yarn spinning and nonwoven process with recycled fibers.

Our solutions for drylaid nonwovens

- Development of drylaid nonwoven made of synthetic, artificial and/or natural fibers.
- Investigation on carding and bonding processes with a large scope of fibers.
- Investigation on the nonwoven specifications

- with different fibers blends and fibers specification.
- Pilote scale prototyping and demonstrator through the different process combinations (forming and bonding processes).
- Development and investigation



Mechanical recycled fibers

FROM FIBERS TO NONWOVEN:

FROM FIBERS TO TEXTILE:

— Fibers Blending & Opening



— Carding



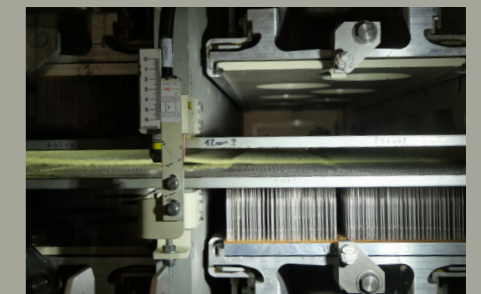
— Airlay



— Thermal Bonding



— Needle Punching



— Shredding



— Carding & Drawing



— Rotor Spinning





Our case studies

— Impact of the fibers specifications and fibers blends on nonwoven for bitumen waterproofing products and geotextiles market.

— Development of a new generation of wipes made of cellulosic fibers (natural and artificial).

— Development of natural fibers nonwoven for artificial leather for automotive and apparel industries.

— Homogeneity improvement of an air-through carded web at high speed for hygiene absorbent product.

— Product development of nonwovens made of European wool for medical and apparel markets.

— Development of needle-punched and high loft nonwovens made of mechanical recycled fibers for apparel and technical applications markets.

— Process improvements of thermal insulation made of natural fibers for building market.

— Development of acoustic insulation nonwovens made of recycled or staple fibers for automotive and building markets.



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