

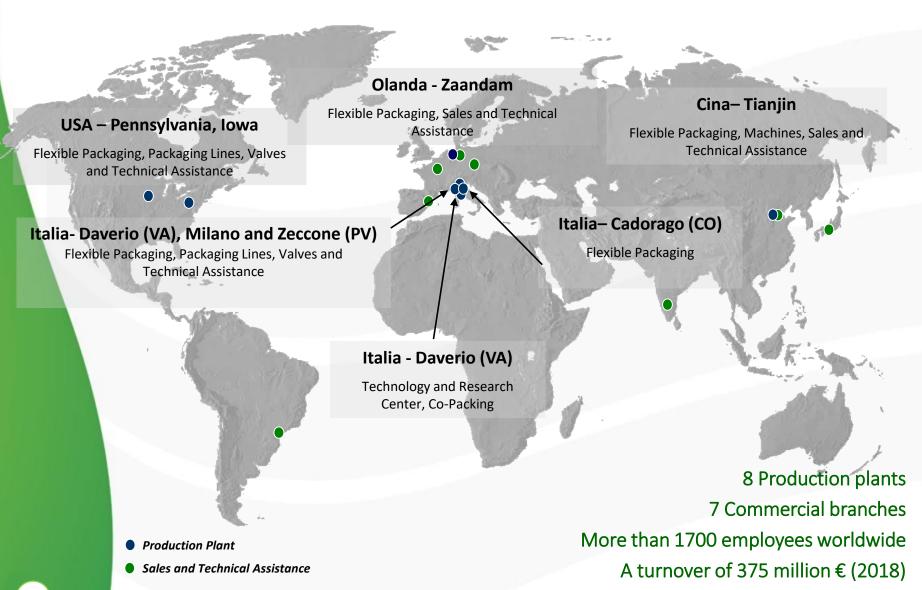
SUSTAINABLE FOOD PACKAGING MATERIALS

- Osvaldo Bosetti, GOGLIO SpA -



Trieste, 11-12 September 2019

THE GOGLIO GROUP





THE GOGLIO GROUP

2018 Turnover breakdown – 375 mln €

BY MARKET SEGMENT









COFFEE

ASEPTIC

INDUSTRIAL PRODUCTS

FOOD



READY MEALS: 1.5%



SOFT DRINKS: 0.2%

PET FOOD: 0.7%



OTHER MARKET SEGMENTS: 0.7%

MACHINES: 8.9%





WHY TO CHOOSE A BARRIER PACKAGING?





COMPOSTABLE LAMINATES: NORMS OF REFERENCE

In order to be defined "biodegradable" and "compostable", products have to be certified by a Board of Certification.

The 95% out of the total mass of certified materials has to be manufactured using compostable raw materials; producers can choose a maximum of 5% non-compostable materials, with a 1% maximum concentration each.

The raw materials used are /can be certified, and have to be compliant with 4 essential law requirements: quantity of heavy metals, biodegradability, disintegration and ecotoxicity.





COMPOSTABLE LAMINATE

Materials that combine the naturalness of cellophane, the weldability of the **extruded bio-polymer at the Goglio plant** in Daverio and the **Barrier Lacquer technology**.

- HIGH BARRIER TO OXYGEN AND HUMIDITY
- CERTIFICATION «OK COMPOST-INDUSTRIAL»
- PERFECT PRINTABILITY
- MACHINABILITY OF THE MATERIAL TESTED ON DIFFERENT PACKAGING LINES

To complete the range of compostable solutions, a **degassing** valves have also been developed and PATENTEND.

The BIO VALVE is produced starting from compostable certified raw materials.





COMPOSTABLE CAPSULES

Compostable capsules compatible with the Nespresso system made of:

CAPSULE BODY, made with injection molding at the Goglio Polymers Division;

LOWER LID, welded inside the capsule to guarantee the perfect airtightness composed by a multilayer material;

UPPER LID, made by multilayer material to provide high oxygen barrier and at the same time the perfect brewing.

Goglio capsules are PATENTED and CERTIFIED
«OK COMPOST – INDUSTRIAL»





ALU-FREE and RECYCLABLE: THE DEVELOPMENT





ALU-FREE and RECYCLABLE

High barrier laminates without aluminum or metallization made with **barrier layers** obtained thanks to the use of the **innovative Goglio barrier lacquer** which gives the material the following characteristics:

- HIGH BARRIER TO OXYGEN AND HUMIDITY
- HIGH FLEX CRACKING RESISTANCE
- POSSIBILITY OF HIGHLY TRANSPARENT BARRIER MATERIALS
- 100% RECYCLABLE STRUCTURES









Thank you for your attention!