



INNOVATION & EXPERIENCE





TSC Ltd. is composed of three business areas:

- DHC - paper chemicals (chemicals for pulp and paper making process, water treatment and effluent treatment) and other products related to the forest cluster
- DHP - paper and cardboard
- DHM - recycling paper

TSC offers comprehensive solutions for pulp and paper industry such as supplies of selected products, consulting, technological implementation, technical service and employee trainings.

The aim of our company is to provide support for our customers by choosing the best solutions, so that they can optimize their production processes in an environmentally friendly way.

Practical knowledge of technology used in paper production and experience of many successful implementations ensure that our projects are carried out as required and expected by our partners. We provide optimal solutions, state-of-the-art reliable products that meet our customers' needs as well as latest technologies, all preceded by lab and industrial tests.

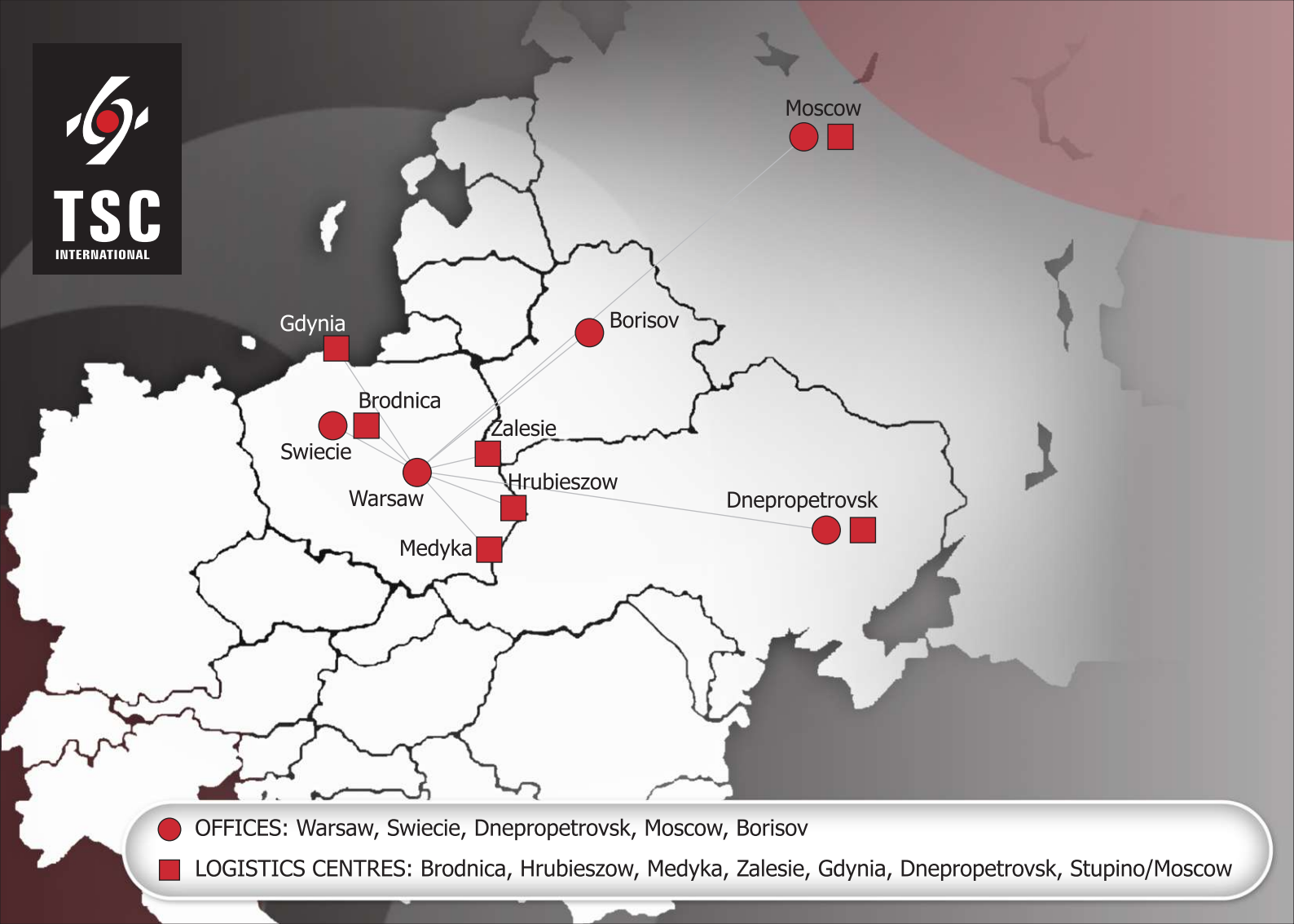
Our employees are experienced experts well able to communicate with our customers.

We have been operating on the market since 1999. The company's main office is located in Warsaw, its branch in Swiecie and three subsidiaries in Russia (Moscow), Ukraine (Dnepropetrovsk) and Belarus (Borisov) respectively.

We cooperate with companies from all over Europe, especially with paper mills in Ukraine, Russia, Poland, Belarus, Latvia, Lithuania and Moldavia.

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comprehensive solutions
for pulp and paper
industry



● OFFICES: Warsaw, Swiecie, Dnepropetrovsk, Moscow, Borisov

■ LOGISTICS CENTRES: Brodnica, Hrubieszow, Medyka, Zalesie, Gdynia, Dnepropetrovsk, Stupino/Moscow



Paper chemicals - products

Products

Sizing

size press

internal sizing - AKD, ASA, rosin dispersions

Retention - powders and emulsions

fixatives

anionic trash catchers (ATC)

colloidal silica

bentonite

Biocides - deposit control

Defoamers - water, oil, silicone based

Pitch control

Felt conditioning and PM wire washing

Optical brighteners - liquids

Starches

size press

to pulp (cationic)

for shower

for gypsum board

Lignosulphonates

size press

Dyes

Yankee cylinder

Wet strength synthetic resins

Carboxymethyl cellulose

Coagulants

Flocculants

Antiscaling

Deinking of waste paper

Repulping of waste paper



Chemicals used in paper making process – product application

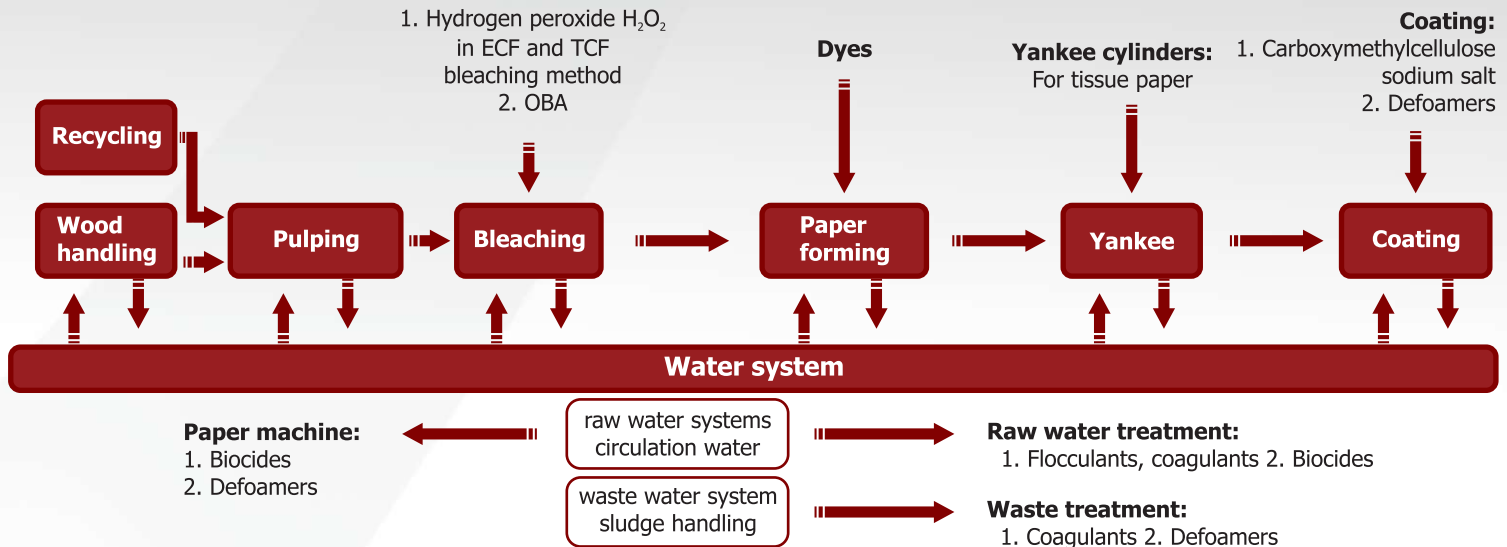
Retention control

Sizing agents:

1. Rosin dispersions
2. AKD
3. ASA
4. Surface sizing – synthetic sizing agents
5. Wet and dry strength - resins

Deposit control:

1. Chemical and biological
2. Washing agents
3. Defoamers



Other chemicals

Assortment:

- crude sulphate turpentine
- crude tall oil
- gum rosin
- tall rosin
- paraffin wax emulsion
- formaldehyde resins
 - phenol
 - urea
 - melamine
- water glass
- alkylbenzenesulfonic acid
- anaerobic sludge
- lignosulphonates

Paper

We offer wholesale of industrial paper.

Assortment:

- paper for corrugated board production
- wastepaper and cellulose cardboards
- offset paper
- newsprint
- bag paper
- parchment
- wrapping paper
- tissue paper
- pulp

Recycling Paper

We offer collection of waste paper for buyers of our paper chemicals.

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