



Protection
Stability
Optimization

PETROGUARD®

The comprehensive Hygiene System for your process



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The comprehensive Hygiene System

**PETROGUARD®
PROVIDES
STABLE
CONDITIONS!**

Tailored to your process!

With our **PETROGUARD®** System we treat your whole process, to prevent microbiological, organic and anorganic deposits in the machine circuit.

In addition we use complexing agents as optimum support for the conservation and cleaning agents.

SLIME- PREVENTION & CONSERVATION

of chests, tanks
or towers with
reject, filler,
material etc.

CLEANING & PASSIVATION

for permanent stable
machine hygiene
and optimum
protection of
surfaces

CONTAMINATION

**PH DROPS
ODOUR
DEPOSITS
LOSSES**

**PETROGUARD®
PROTECTS
THE WHOLE
MACHINE CIRCUIT**

The **PETROGUARD®** System includes multiple components, which are used in individual combinations, depending on the treatment focus:

Focus Slime Prevention and Conservation:

We treat fresh and cooling water, pulp, raw materials, additives, slurries etc.

Used products:

- **PETROSID®** Conservation agents & biocides
- **PETROOXID®** Oxidative biocides & redox-booster
- **PETROCLEAN®** Cleaning agents and dispersants
- **PETRODIS®** Biodispersants based on modified ligninsulphonate
- **PETROPERSE®** Inhibitors, stabilizers
- **FIBREDIS®** Modified ligninsulphonate especially for the pulp industry

Focus Cleaning & Passivation - PETROCLEAN® and BRU-Clean® product range

- Cleaning agents to support deposit control
- Chemical surface-sealing and passivation by our partner BRU-Serv Industrie Service KEG



CONVINCING ECONOMIC & ECOLOGICAL BENEFITS BY USING PETROGUARD®



INCREASE

of runability and performance of the paper machine by using the **PETROGUARD®** System helps to maintain competitiveness.



STABILIZATION

PETROGUARD® stabilises pH-value and system-water hardness. It optimizes the amounts of other additives and sustainably reduces system specific deposits in the circuit.



SAVINGS OF BIOCIDES

PETROGUARD® can save up to 30 % of biocide amount due to a better machine hygiene and a strong decrease of bacterial count.



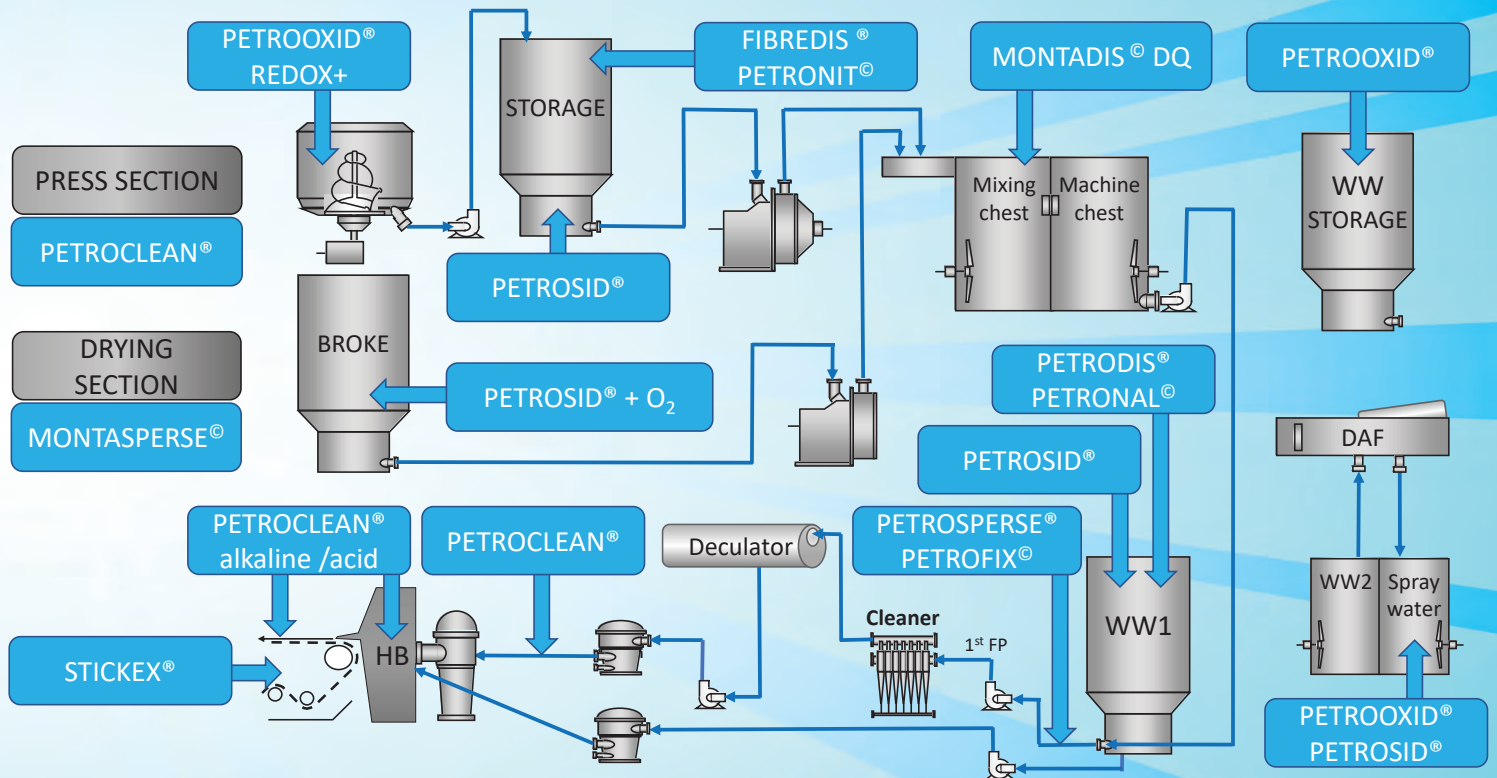
COST REDUCTION

PETROGUARD® prolongues storage time and service life of material in tanks without quality loss which sustainably helps to reduce process costs.



ECOLOGICALLY IMPROVED PROCESS

PETROGUARD® makes a valuable contribution to the ecological performance of the machine by reducing the biocide demand.





The PETROGUARD® Security-Package includes:

- ✓ System analyses in real-time
- ✓ Comprehensive analytics of samples to identify deposits, dirt specs, defects etc. in our highly modern in-house analytical laboratory
- ✓ Biocide-screening / stress test
- ✓ System specific selection of equipment
- ✓ Customer specific treatment recommendations
- ✓ Customer specific services
- ✓ Continuous support & monitoring of applications

Use biocides in a safe way.
Always read labelling and product information
before use.