

4.- SystemCheck Water®

Title and name of product or technology	
PTS SystemCheck Water®	
Abstract	
Water circuits are an important key to enhanced efficiency in papermaking. Water is involved in all important production steps. Its quality and availability are crucial to process productivity and product quality. Suitable circuitry can greatly improve water quality.	
Description including main features/advantages	
<p>PTS SystemCheck Water® is used to analyse and optimise existing plants. The optimisation of water circuits requires interdisciplinary know-how. PTS has developed specific evaluation tools that ensure complete detection and collection of all potentials. The PTS SystemCheck Water® has a modular architecture. The basic module includes system stocktaking and evaluation of the circuitry, water use, loading parameters as well as the save-all's that are used. Additional tools may be used from case to case including the following: odour and volume analysis (elimination of anaerobic reactions), scaling evaluation, heat balance optimisation and tools for integrating new treatment methods. Simulation technology using the software IDEAS™, of course, is an integral part of this process. Only with simulation technology is it possible to selectively determine solutions that achieve both the technical and economical optimum.</p> <p>The PTS service comprises analytical data acquisition in the water circuit, evaluation, drawing up an operating concept with a set of measures, documentation and presentation. If desired, PTS consultants can take over project management entirely, carrying out the agreed concepts from basic engineering right through to project implementation.</p>	
Innovative aspects	
The unique synthesis of technological consultancy services and ongoing research and development work provides PTS customers with a long-term competitive edge.	
Current and potential industrial users/domains of application	
<p>Pulp and paper industry</p> <p>PTS offers you many years of experience gained from a good deal more than 100 system analyses in all product groups in the European pulp and paper industry.</p>	
Current state of development	
Commercial product – continuous further development based on ongoing research and development work.	

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