

List of references: Paper technology

Technology and technique

Pulp and half-stock production, stock preparation, sheet forming and dewatering, drying and ventilation technique, finishing, circuit water management, chemicals and additives, warehousing and logistics, quality assurance.

Electrical engineering / automation and process control






Power supply, drive engineering, flow charts, process control engineering, hard and software planning.










Project management









Organisation, information, coordination, documentation. Qualities and quantities, budget planning, time scheduling, risk management, surveillance of assembly and start-up.






Consultancy

Studies and evaluation, status analysis and weak point analysis, due diligence, development of concepts. Basic and detail engineering inclusive development planning for erection of greenfield plants as well as modification of existing plants in best available technology. Tender procedure and purchasing, cost budget and monitoring, technical and technological consulting, employee training.

 Niedergösgen, Switzerland	<ul style="list-style-type: none"> • Preliminary design study to increase capacity of stock preparation plant
 Viersen, Germany	<ul style="list-style-type: none"> • Consultancy for ventilation technology and professional support for rehabilitation of the production hall
 Ingenieurbüro Wilkau-Haßlau, Germany	<ul style="list-style-type: none"> • Consulting for an electrical network calculation of a German city
 Frankfurt, Germany	<ul style="list-style-type: none"> • Due diligence report and completion test for the purchase and reallocation of a corrugated paper plant
 Werk Witzhausen, Germany	<ul style="list-style-type: none"> • Engineering for the installation of a new pulper including a reject handling system • Pre Engineering for the increasement of paper mill's production • Various optimisations of a stock preparation plant • Study for automation of a reel storage • Revision and updating of P&IDs of the production plant • Detail engineering for the broke system and starch preparation plant including the new filmpress working station

 <p>EnBW Stuttgart, Germany</p>	<ul style="list-style-type: none"> • Experimental procedures and analysis for fly ash treatment
 <p>ETAP Alexandria, Egypt</p>	<ul style="list-style-type: none"> • Basic and detail engineering for optimisation of a production line and stock preparation • Implementation of a circuit water management system • Pre- and basic engineering for a new production line in Alexandria, Egypt
 <p>GLV Sweden</p>	<ul style="list-style-type: none"> • Detail- and piping engineering for the installation of a new cleaner plant
 <p>Hamburger Rieger Containerboard Gelsenkirchen, Germany</p>	<ul style="list-style-type: none"> • Interface planning for the rebuild to improve performance of the paper machine • Basic and detail engineering for the extension and improved performance of the stock preparation lines • Replacement of a medium voltage plant, definition of supply and rebuilding concept • Actualisation of electrical and instrumentation standards • Bottleneck analysis of stock preparation and approach flows • Efficiency improvement of the top wire drive
 <p>Hamburger Rieger Containerboard Trostberg, Germany</p>	<ul style="list-style-type: none"> • Concept study for the rebuild of a paper machine
 <p>heinzelpaper Raubling</p>	<ul style="list-style-type: none"> • Engineering for the expansion of the chemicals storage
 <p>heinzelpulp ZELLSTOFF PÖLS AG Pöls, Austria</p>	<ul style="list-style-type: none"> • Optimisation of the pulp dryer • Conception of an air & ventilation system including paper machine and building in consideration of maximal efficiency
 <p>KLINGELE PAPIERWERKE Weener, Germany</p>	<ul style="list-style-type: none"> • Recording and study for optimisation of the paper mill water circuit and implementation of a circuit water management system • Concept study for the optimization of the fresh- and warmwater system of the paper machine
 <p>LEIPA PAPER IN PROCESS Schwedt, Germany</p>	<ul style="list-style-type: none"> • Basic and detail engineering for the rebuild of a talcum plant and a sludge drying plant • Study for the usage of surplus steam for cooling with a combined heat and power plant • Study and determination of investment costs for the drying of deinking sludge

<p>N.N. Spezialpapiere, Germany</p>	<ul style="list-style-type: none"> • Basic and detail engineering for the rebuild of the vacuum system
 <p>PDV Papeteries des Vosges, France</p>	<ul style="list-style-type: none"> • Study for a ventilation system for production plant and production halls
 <p>Perlen, Switzerland</p>	<ul style="list-style-type: none"> • Study for optimisation of the stock preparation plant
 <p>Gelsenkirchen, Germany</p>	<p>Basic and detail engineering for:</p> <ul style="list-style-type: none"> • a new stock preparation plant including waste handling • Implementation of a circuit water management system • implementation of a stock deaeration system in the approach flows • post-fire restoration of the paper machine • Implementation of a circuit water cleaning system
 <p>Burg, Germany</p>	<ul style="list-style-type: none"> • Basic and detail engineering for the construction of a new reject handling system • Documentation maintenance • Optimisation of coarse screening in the stock preparation • Study for improved performance of the paper machine • Engineering for modification of hall ventilation
 <p>Eisenhüttenstadt, Germany</p>	<ul style="list-style-type: none"> • Basic and Detail engineering for rebuilding of the reject handling system • Revision of electrical and instrumentation documentation • Integration of a multijet dryer screen cleaning in the paper machine vacuum system • Assistance in optimisation of the electrical power supply • Project management and engineering for a new recovered paper store • Construction of a retraction device for the drives of paper machine wet end
 <p>Eisenhüttenstadt, Germany</p>	<ul style="list-style-type: none"> • Supporting of revision scheduling
  <p>Blendecques, France</p>	<ul style="list-style-type: none"> • Study for optimisation of the approach flows

<p>sappi Ehingen, Germany</p>	<ul style="list-style-type: none"> • Preparation of P&ID's for the pulp mill • Basic engineering for the extension of the pulp preparation and washing • Concept and bidding for a new ventilation in the bleaching hall
<p>sappi Ngodwana, South Africa</p>	<ul style="list-style-type: none"> • Construction supervision (electrical and instrumentation, pipings) for the installation of a new pulp mill
<p> Scheufelen Lenningen, Germany</p>	<ul style="list-style-type: none"> • Creation of actualized P&IDs of the paper production lines
<p> schumacher Schwarzenberg, Germany</p>	<ul style="list-style-type: none"> • System- and bottleneck analysis of a production plant
<p> Smurfit Kappa <small>Hoya Papier und Karton</small> Hoya, Germany</p>	<ul style="list-style-type: none"> • Basic and detail engineering for rebuild of the approach flows • Revision of machine drawings • Project management for the rebuild of the paper machine
<p> storaenso Eilenburg, Germany</p>	<ul style="list-style-type: none"> • Detail engineering for the installation of a new disperser plant
<p> Technocell Dekor <small>Solutions first.</small> Günzach, Germany</p>	<ul style="list-style-type: none"> • Study for the installation of a central stock preparation
<p>WEIG <small>...driven by care...</small> Mayen, Germany</p>	<ul style="list-style-type: none"> • Study for the implementation of a water circuit • Project management for a new automatic reel transport system
<p>WEIG <small>KARTON</small> Mayen, Germany</p>	<ul style="list-style-type: none"> • Various studies for optimisation of the production plant and for extension of the stock preparation lines • Several engineerings for a stock preparation plant • Supervision of the installation of a new cross cutter