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4. SUCCESS STORIES

Chemical Optimization of De-Inked Pulping

A team identified and analyzed key operational factors using advanced statistical methods, both in the lab and in the field. The knowledge gained gave production of high quality pulp as the norm, together with a **cost reduction of \$1 million/year**.

Theory of Runnability

A key performance indicator in newspaper pressroom performance is the frequency of web breaks. With Design of Experiment technology 150 process variables on 11,000 rolls of newsprint were tracked over twelve weeks in the paper mill and at a large metropolitan daily. Recommendations from multiple correlation analysis identified mill process changes which led to a reduction from 2.0 to 1.0 breaks/100 rolls – a **100% improvement in productivity**.

Normalisation des paramètres d'opération

Les vingt-trois conducteurs et chefs-conducteurs se sont réunis ensemble pour fixer les niveaux des paramètres principaux des machines à papier auxquels il opéreront pour le prochain trimestre. Aucune dérive ne sera permis. Cette normalisation a permis à l'usine a augmenté son efficacité par 1% - **une amélioration importante de productivité sans aucun coût ajouté**.

Statistical Process Control In Reforestation

Control charting was used to audit planting of 4 million trees annually. Corrective action on problems identified in the system analysis **produced improved quality and lowered costs**.

Accounts Payable Productivity

Delays were being encountered processing invoices from suppliers. A number of administrative changes were made based on a streamlined flow sheet. Time spent on one category of problem dropped from 920 to 200 hours per year – **an 80% gain in productivity**.

An Ontario Charitable Foundation

The President of the Board of Trustees of a multi-million dollar Foundation felt that administration could be more efficient without impairing the charitable activities. Key functional areas were identified and appropriate structural changes were identified and implemented. This resulted in **better "Corporate Governance" and in a significant reduction in time commitment** required of volunteer trustees and members.