



## **PRODUCT SOLUTION: CONSUMING RESOURCES**

### **> The Cost of Energy**

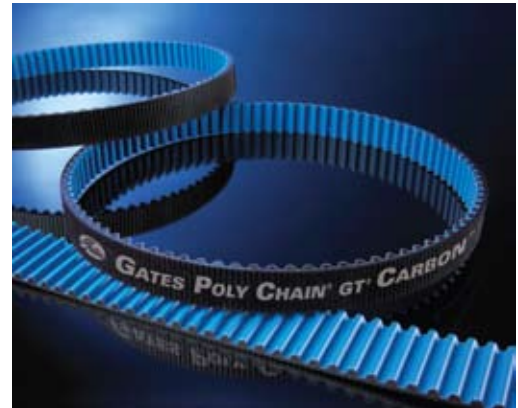
A paper mill was looking for documented cost savings. Knowing that synchronous belts save at least 5% on energy expenses over V-belts, and the higher the horsepower the bigger the savings, the Gates Representative targeted 10 stock pump drives with 200 or higher horsepower. The total annual energy consumption for these ten drives was \$1.54 million.

### **> Product Solution**

Synchronous belt drive systems operate with positive tooth/groove engagement which means they don't slip. No slip equates to no speed loss which saves energy. Other energy wasters - such as torque loss, bending belts around pulleys and friction - are all at an absolute minimum with Gates synchronous belt drive systems.

### **> Cumulative Savings**

In addition to reduced energy consumption, synchronous belts are length stable and require no maintenance. The V-belt drives on the pumps were being replaced every year while the Poly Chain® GT® Carbon® belts are replaced once every three years. Adding up the savings on component costs, installation, maintenance time and energy consumption, \$101,500 of cost reduction was realized.



*A synchronous belt drive is at least 5% more efficient translating to lower energy costs*

