

# Industrial<sup>IT</sup> for Papermaking

## India's ITC Ltd. spans new vistas with ABB's integrated automation solution.

ABB provides ITC Ltd.'s Bhadrachalam Unit with a comprehensive integrated solution that links DCS, QCS and Drives

ITC's Paper Boards and Specialty Papers Division is one of India's largest and most technologically advanced paper and paper boards business. The unit in Bhadrachalam is India's largest integrated pulping and paperboard manufacturing unit. It has equipment supplied by internationally renowned suppliers for pulping processes, paper machines, web detection and inspection systems, finishing and packing lines. Currently, the unit produces high-end virgin and recycled boards for packaging and graphic applications, as well as fine printing papers. With the commissioning of a new wood-free paper machine in May 2008, ITC has made its entry into the writing, printing and copier paper segment.

### Client requirement

ITC required a complete automation solution including Drive, Distributed Control System (DCS) and Quality Control System (QCS) for the new printing paper machine at their Bhadrachalam unit.



### Challenges

One of the challenges was to integrate the old European hardware and sensors of the existing machine with the QCS system.

### Solution

ABB solution comprised DCS- System 800xA, Drives- PMC800 with ACS800 Multi Drive and AC induction motors, QCS- Smart Platform 1200 and CD actuators.

### Benefits

Complete integration of Drives and QCS with DCS system. There is common automation hardware among DCS, Drives and QCS. A cost effective solution for QCS has been provided which is beneficial to ITC Bhadrachalam. The complete System 800xA integrated system provides a common platform for seamless operation and engineering and a host of benefits including ease in conversion of

application programs, commissioning, training and replacement of spare parts.

**ABB team**

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**[www.abb.co.in/pulpandpaper](http://www.abb.co.in/pulpandpaper)**

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