

CALS AND EDI:

TWIN GATEWAYS TO AGILE MANUFACTURING AND THE VIRTUAL ENTERPRISE

EDI represents an effort to automate the interchange of business information. This activity is complementary to and to some extent overlaps with CALS, which is specifically directed at automating the interchange of technical information. Benefits of EDI include 50% time savings in engineering, 98% reduction in data errors for acquisition activities, 80% improvement in manufacturing quality, and 50% improvement in product and services life cycle support.

EDI, electronic information exchange, will grow significantly in the context of our information superhighway implementation. CALS, a top down vision of complete computing integration, promises to support electronic data exchange. Enormous operating efficiencies are planned. Companies mastering the technologies first will grow the fastest as they achieve new levels of productivity improvement. Japan is already well underway in implementing the new efficiencies promised by the technologies described in this report.

CALS improves efficiency by providing tools that support competitive advantage:

- Facilitate electronic information transmission
- Support Internet SGML
- Compress data into information.
- Digitize project information
- Support joint development and design efforts
- Customize and automate mass production further
- Support business functioning in a changing market.
- Support lean corporate organizations and make them still able to function in a changing market
- Support global manufacturing and marketing
- Shorten process cycle
- Reduce statistical variation in process
- Use matrixed organizations and teams for business process orientation
- Improve organizational efficiency
- Improve quality of output

Report No. A496	200 + Pages	65 Tables and Figures	1996	\$2,800
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6 Raymond Street Lexington MA 02173
Visa, Mastercard, American Express

(617) 863-5078
Fax (617) 863-1235
Internet ellentc@tiac.net

WINTERGREEN RESEARCH, INC.

A new study from WinterGreen Research **CALS AND EDI: TWIN GATEWAYS TO AGILE MANUFACTURING AND THE VIRTUAL ENTERPRISE** documents the market shifts, forecasts the market segments, and points out the opportunities. The rapid evolution of the information society has accelerated EDI as distributed information management. EDI is a key corporate responsibility and strategic asset. Information intensive, high technology businesses require effective and efficient use of distributed information.

We respectfully request that you purchase the study using the form on the brochure.

Susan Eustis

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