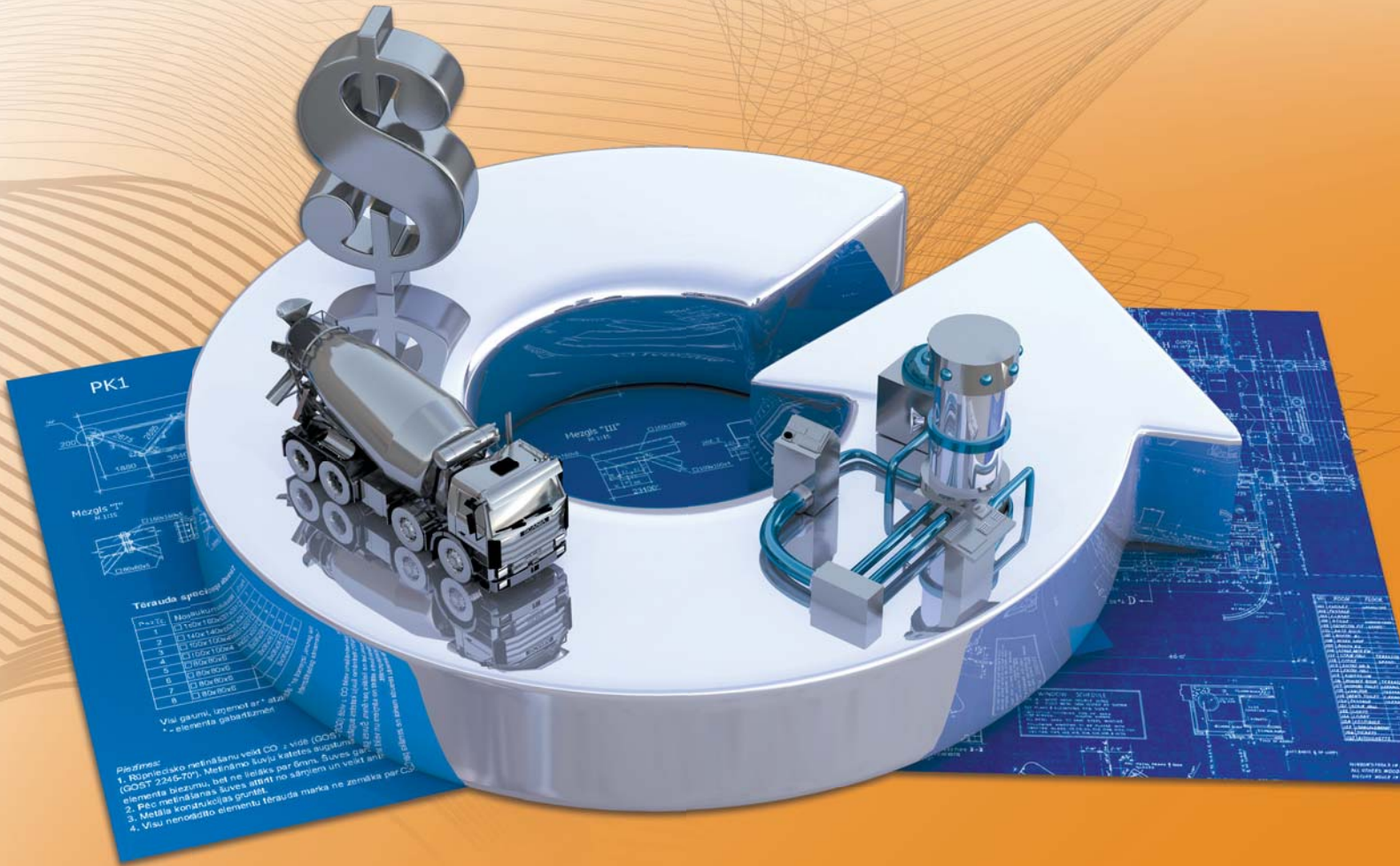




**Lascom**  
**AEC**

# Project Lifecycle Management



**Managing Project Information and Business Processes  
Across the Propose, Build, & Maintain Lifecycle**

*A unique business management platform, designed for  
engineering firms, manufacturing plants, and utility providers, which:*

- **Reduces costs**
- **Accelerates projects**
- **Increases visibility**
- **Lowers risks**



Effective information management is only part of the solution. Unlike most technologies that are heavily design-focused, LASCOM's approach enables the management and synchronization of key business processes with project related information across the entire internal and external stakeholder community. This approach streamlines collaboration, reducing costs, cycle-time, and risk.

## Overview

Lascom AEC is a browser-based Project Lifecycle Management solution that cost-effectively manages all project information and key business processes across an organization's propose, build, and maintain lifecycle. Lascom AEC helps engineering firms, manufacturing plants, and utility providers more effectively manage complex engineering projects resulting in lower costs, faster project cycles, increased management visibility, and reduced overall project risks.

As projects evolve, maintaining a coherent "single version of the truth" is critical to performing gap assessments and impact analysis, as well as making key business decisions in the most efficient and effective manner. Lascom AEC's information repository uniquely organizes, manages, and inter-relates a wide range of project information, including:

- ☑ CAD drawings and Xrefs
- ☑ Equipment and part specifications
- ☑ Assembly configurations
- ☑ Bill of materials
- ☑ Work orders and contracts
- ☑ Financial and engineering calculations
- ☑ Change order requests
- ☑ Customer, supplier, and contractor information
- ☑ Other project related information
  - Technical data, memo's, and documents
  - Meeting notes and emails
  - Internal and external correspondence
  - Document certifications or visas
  - Photographs, images, scans, and faxes

Typical engineering project business processes include:

- Proposal or bid development
- Capital project planning and selection
- Capital spending and budget management
- Requests for proposals and quotations
- Project approval and document validation
- Document transmittal and tracking
- Change management and audit
- Defect and non-conformance resolution



## Propose or Select

Winning a project bid, or selecting a project based on the greatest return-on-investment, are high-payoff activities. However, these labor-intensive activities can be complex, slow, costly, and risky, particularly when the amount of information and number of collaborators is high. In addition, management often has little visibility into the overall process and status.

Lascom AEC helps business development and project control teams address these issues by:

- Centrally managing all project information, such as project requirements, financial calculations, drawings, specifications, contracts, correspondence, milestones, and other documentation
- Facilitating more effective collaboration across technical, financial, business development, project control, management, and external stakeholder teams
- Using workflow to effectively manage key review and approval processes
- Providing greater visibility on sales or project selection processes through management dashboards and automated report generation

Users of Lascom AEC report the following benefits:

- Better decision support
- Greater on-time project performance
- Reduced project risks
- Improved infrastructure availability





## Lascom AEC Solution Features

- **Project and Asset Information Repository**
- **Document Distribution and Generation**
- **Application independent viewing of drawings, mark-ups, and other documents**
- **Collaboration and Business Process Management**
- **Change Management**
- **Reporting and Management Dashboards**
- **Full History and Audit Trail**
- **Desktop and Back-Office Connectivity**
  - **AutoCad and Micro Station Connectors**
  - **MS Office Connectors: Excel, Word, Outlook**
  - **Integration with ERP, CRM, and other back-office systems**



## Build

Completing a project on schedule while conforming to design requirements can be a challenge. Collaborating with suppliers, subcontractors, and other stakeholders can be cumbersome while review, approval, and change management processes are often highly manual, slow, and error-prone.

Lascom AEC helps project managers address these issues by:

- ➔ Centrally managing all project data, documents, and change requests, which saves time finding, accessing, validating, and sharing project information. Information captured in the Propose or Select phase is instantly available for the Build phase
- ➔ Ensuring alignment between functional requirements and project deliveries, thus avoiding late-delivery penalties and last-minute rework
- ➔ Allowing drawings and mark-ups to be viewed by all relevant stakeholders, not just those who have access to CAD software
- ➔ Automating review processes to track milestones, change management, and defect resolutions to keep the project on track and meet deadlines
- ➔ Automatically generating reports on project status, outstanding issues, and comparisons between cost and schedule projections versus actual



## Maintain

Proactive and timely infrastructure and facility maintenance is critical to maximizing return on asset investments. However, industry analysts point out that “owners and operators of properties lose millions in top-line revenue and bottom-line profits because they cannot get critical facilities operational or renovated in a timely manner”. Maintaining asset availability and conformance to standards in an environment of constant change can be a significant challenge.

Lascom AEC helps facility and infrastructure managers address these issues by:

- ➔ Tracking and managing equipment locations, variances, dependencies, and setting information
- ➔ Centrally managing all asset data, documents, regulatory compliance, and change information and providing advanced decision support tools to enable more comprehensive analysis. Information captured in the Build phase is instantly available for the Maintain phase.
- ➔ Allowing drawings and mark-ups to be viewed by all relevant stakeholders, not just those who have access to CAD software
- ➔ Accelerating project cycles and oversight through approval and validation workflows
- ➔ Managing change processes through where-used and impact analysis, and capturing asset variants, deviations, and work-arounds. Full change history and audit capabilities are also provided
- ➔ Facilitating collaboration and information exchanges with all stakeholders, such as suppliers, contractors, and services organizations.
- ➔ Providing decision support using management dashboards and automated reporting of performance metrics





### Lascom AEC Customers Include:

- Bonneville Power
- Duke Energy
- Alstom Transport
- British Telecom
- France Electricity (EDF)
- Eli Lilly and Company
- Nooter/Eriksen
- Pilkington Glass
- Setec Consultants S.A.
- Kronenbourg Beer (Carlsberg)
- Peugeot Citroën
- Alcan
- GSK (GlaxoSmithKline)
- ITER Organization

### Lascom AEC Technology

Lascom's AEC owes its low cost of ownership, support, and short implementation time to the following key architectural differentiators:

- **Microsoft Centric** – Lascom AEC is designed to operate in Microsoft-centric environments and leverage in-place Microsoft technologies wherever possible.
- **Web-Based** – Lascom AEC is installed centrally and not on end-user workstations, which greatly reduces the complexity and effort involved with implementation and ongoing support.

The Lascom AEC architecture can also fully support high availability and disaster recovery functionality by incorporating Microsoft load balancing and scale-out features. Relative to comparable systems, Lascom AEC has considerably lower total cost of ownership and much shorter implementation time.

### About Lascom

Founded in 1989, LASCOM has built its global success on developing and deploying comprehensive software solutions and services that manage the complex business processes and information associated with project, product, document, and configuration management. These advanced offerings address the unique needs of the following critical business activities:

- Architectural design
- Industrial engineering
- Asset management and construction
- Discrete, process, and complex manufacturing
- Consumer product manufacturing and retailing

Organizations involved in such activities rely on LASCOM to help them more effectively manage:

- Information complexity, which results from the large number of information types, sources, properties, and inter-relationships upon which such activities depend;
- Change, that often cascades across various business processes and data elements creating effects that are often not well understood or immediately apparent; and
- Risk, which comes from errors or omissions in activities that can cause significant adverse consequences from a financial, legal, and regulatory perspective.

With North American headquarters in San Diego California and world headquarters in Paris France, Lascom maintains over 200 production marquee customers across Europe and the United States.



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