AVEVA Global

Combine the ease of email with powerful 3D design communication

In today’s world, where markets and industry operate 24 hours a day, 7 days a week, engineering projects rely on the use of all their resources and those of their partners, suppliers and contractors, wherever they are in the world, whenever they are available.

AVEVA Global™ is the proven system that can turn this into reality. Since the late 1990s, Global has been used successfully on thousands of engineering projects worldwide. It is true to say that, without Global, many of these projects could not have been completed on time or within budget.

Global extends the value of a company’s investment in AVEVA Plant or AVEVA Marine solutions by allowing efficient multi-location or distributed project execution. Global enables the effective sharing of design information between offices, subcontractors, vendors, construction facilities and others, whilst retaining project and system control. Global provides concurrent, distributed 3D design with central project administration; it allows for flexibility with control, offers fast performance, and is tolerant of communication faults.

Global significantly improves project manageability whilst reducing cost, risk and timescales.

Effective global project execution is not just a matter of copying data around different locations, as in the traditional approach; it demands the ability to dynamically distribute fully-controlled design data, safe in the knowledge that your project is maintained consistently and securely. Global ensures that each project is kept up to date by maintaining automatic, controlled synchronisation of any data which has changed between the project locations, down to the smallest attribute.

Regardless of their location in the world, design offices, subcontractors, fabrication yards and suppliers can all view the design data at any time as it evolves, to support a true virtual office operation, while still recognising contractual boundaries and areas of responsibility.

Business Benefits

Reduced engineering cost
- Allocate work to the most cost-effective locations.
- Concurrent 3D design resolves issues quickly and cheaply.

Large resource pool
- Use capacity wherever and whenever it exists.

Reduced risk
- Control access to project, design and proprietary information.
- Manage workflow and information status across all participants.
- Maintain project data integrity.
- Protect proprietary intellectual property.

Expanded capabilities
- Tender for projects across a global marketplace.
- Efficiently execute large, complex projects.
- Work concurrently with other offices, subcontractors, vendors and partners.

Increased contractual flexibility
- Accommodate local content requirements on multinational projects.
- Manage project access by contractual boundaries.

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Key Features

Global is a proven solution to the challenge of distributed 24-hour working. It allows full use of all available resources wherever and whenever they are needed.

- **Secure Control of Data**
  Controlled approval of design changes, with automatic transmission of those changes to any project location, means that only approved changes are distributed, preventing errors from spreading uncontrollably.

- **Fast Project Set-up**
  Straightforward methodology, proven across numerous projects throughout the world, means that projects of any size or scope can be quickly configured and ready for operation.

- **Safe offline working**
  Fail-safe checks, robust recovery, and status information ensure that work can continue without network connection. When the connection resumes, data synchronisation takes place automatically.

- **Robust Communications**
  Effective use of low bandwidth technology, high tolerance of communications faults, and the ability to use secure communications across public networks, keep costs down and ensure that work will continue even in areas with difficult or unreliable communications.

- **Flexibility**
  Projects can be very quickly modified. Locations can be added or removed as the projects progress, in response to changes in priority, scope or workload.
  Even the central administration location can be moved during the project. Work distribution within a project is configurable along lines and levels of responsibility, and can be changed as required.

- **Local Content Initiatives**
  Many projects require the transfer of knowledge and expertise to fulfil local content initiatives. Global allows for this, providing the ability to quickly set up and manage remote project teams anywhere in the world.