



DataLyzer Advanced Product Quality Planning (APQP)

DataLyzer International

At DataLyzer International, we are committed to helping our customers achieve manufacturing excellence through continuous improvement. What sets us apart is our integrated approach to quality management. We offer a unique solution that combines APQP, FMEA, MSA and SPC into one streamlined web based system, providing you with a holistic view of your operations and enabling you to make data-driven decisions that will drive success.

Partner with us and take the first step towards achieving excellence in manufacturing.

DataLyzer APQP Management

Advanced Product Quality Planning (APQP) was introduced by the Automotive Industry Action Group (AIAG) in the late 1980s to provide a structured methodology for product development and risk management. Initially designed for the automotive sector, APQP has since become a global standard across Aerospace (AS9145), Medical Devices (ISO 13485, FDA 21 CFR Part 820), defense, and other regulated industries.

Compliance with these standards is essential—not only to meet customer expectations but also to ensure successful, repeatable product launches. APQP plays a central role helping teams plan effectively, manage risks, and document critical quality activities.

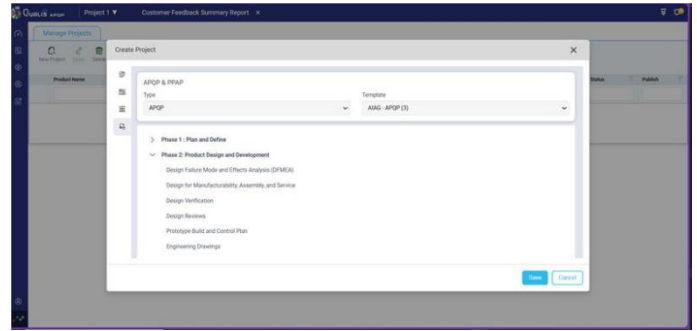
DataLyzer APQP is built to support these goals. Our software aligns with AIAG’s APQP framework and related industry standards, offering structured tools for planning, documenting, and monitoring progress across key APQP phases. While we do not support every step in the APQP process, we provide the core framework needed to centralize data, coordinate teams, and stay aligned with compliance requirements.

The system includes a dedicated PPAP section, where users can track which PPAP elements are ready and complete the Part Submission Warrant (PSW) process when documentation is finalized. Whether PPAP is managed as part of an APQP project or as a stand-alone process, the system ensures you stay organized and audit-ready.

When combined with our FMEA, SPC, and MSA modules, DataLyzer offers a scalable and integrated quality management ecosystem to help manufacturers plan smarter and deliver with confidence.

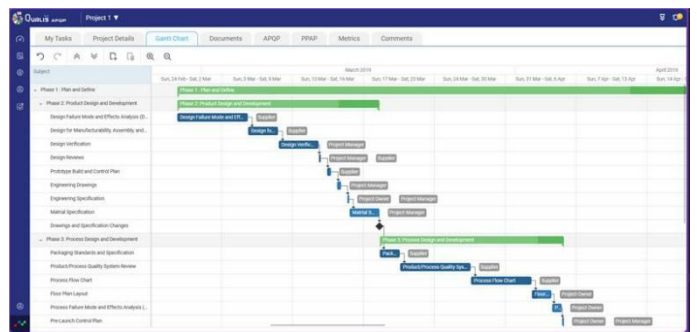
Project Setup & Templates

Projects begin with a structured setup that includes essential details like scope, customer, budget, and team roles. Built-in templates, tailored for industries like automotive, aerospace, and medical, make it easy to standardize and accelerate project planning, while still allowing flexibility to adapt to internal processes.



Visual Planning & Progress Tracking

An interactive Gantt chart helps teams monitor task dependencies, key milestones, and overall timelines. Color indicators show delays and progress at a glance, giving teams clarity and control as projects evolve.



Insightful Metrics & Reports

Dashboards provide visual indicators of project health, performance, and supplier contribution, enabling data-driven decision-making.

Some metrics include:

- APQP progress rate
- Task completion rate
- Supplier score
- Project health score
- Team responsiveness time

Example reports:

- APQP summary
- Planned vs. actual performance
- PPAP readiness overview

Gate Reviews

DataLyzer APQP includes a dedicated Gate Reviews page that allows teams to assess project readiness before moving from one APQP phase to the next. Each gate acts as a formal checkpoint where required tasks, documents, and approvals are reviewed in one place to ensure completeness and compliance.



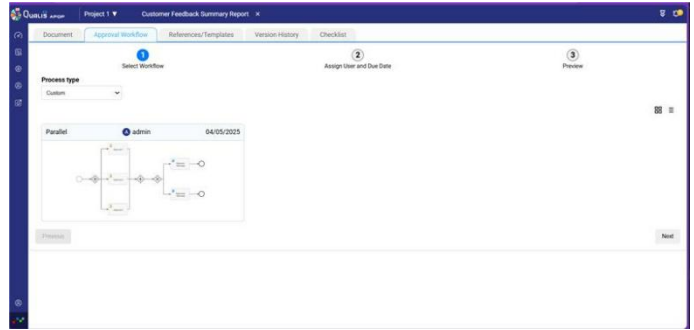
Task ID	Task Name	Status	Start Date	End Date	Owner	Security/Global Status
1	Plan and Define	Completed	Jan 1, 2023	Jan 15, 2023	Adi Kumar	<input checked="" type="checkbox"/> Enable Custom Status <input checked="" type="checkbox"/> Enable Progress Loggs <input checked="" type="checkbox"/> Assign Team Member <input checked="" type="checkbox"/> Enable OAI Alerts
2	Product Design and Development	In Progress	Mar 1, 2023	Apr 15, 2023	Nikhil Sharma	<input checked="" type="checkbox"/> Enable PFMEA <input checked="" type="checkbox"/> Enable PFMEAs <input checked="" type="checkbox"/> Enable OAI Alerts <input checked="" type="checkbox"/> Enable OAI Alerts
3	Process Design and Development	Not Started	Apr 20, 2023	May 20, 2023	Nikhil Sharma	<input checked="" type="checkbox"/> Enable PFMEA <input checked="" type="checkbox"/> Enable PFMEAs <input checked="" type="checkbox"/> Enable OAI Alerts <input checked="" type="checkbox"/> Enable OAI Alerts
4	Product and Process Validation	Not Started	Apr 20, 2023	May 20, 2023	Nikhil Sharma	<input checked="" type="checkbox"/> Enable PFMEA <input checked="" type="checkbox"/> Enable PFMEAs <input checked="" type="checkbox"/> Enable OAI Alerts <input checked="" type="checkbox"/> Enable OAI Alerts
5	Feedback, Assessment and Corrective Action	Not Started	Apr 20, 2023	May 20, 2023	Nikhil Sharma	<input checked="" type="checkbox"/> Enable PFMEA <input checked="" type="checkbox"/> Enable PFMEAs <input checked="" type="checkbox"/> Enable OAI Alerts <input checked="" type="checkbox"/> Enable OAI Alerts

Collaboration & Lessons Learned

Team collaboration is built in with the ability to add comments, notes, and file attachments at the task or document level. A lessons learned section helps capture project insights and reuse them to prevent repeated issues across future programs.

Workflow Automation with Flowable

For companies with more advanced approval process needs, our integration with Flowable enables the creation of custom approval workflows. Teams can configure multi-step signoff chains, automated escalations, and review logic—without custom coding.



Control & Configuration

With role-based permissions, notification preferences, and configurable system settings, administrators can align the platform with the company's structure, terminology, and workflows. A central notification center keeps users informed about task updates, deadlines, and approvals.

Additionally, a custom template section allows companies to define their own APQP stages, task lists, and documentation requirements. This flexibility ensures the software can mirror internal processes and adapt to specific customer or industry needs without compromising standardization.

PPAP Submission Tracker

The system includes a separate module to track the status of individual PPAP elements. Once all documents are marked ready, the software supports the generation and submission of a complete Part Submission Warrant (PSW), ensuring traceability and compliance with customer and regulatory requirements.

PPAP Element	Owner	Status	Due Date	Document Submits	Approved	Date Signed Off	Version History	Comments	Action
Design Documents	Design Engineer	Completed	2024-12-15	Completed	Completed	2024-12-15	version 1	2024-12-15	Approve
Engineering Change Documents	Change Manager	Completed	2024-12-15	Completed	Completed	2024-12-15	version 2	2024-12-15	Approve
Customer Engineering Approval	Project Lead	In Progress	2024-12-20	In Progress	In Progress	2024-12-20	version 1.1	2024-12-20	Approve
PFMEA	Design Engineer	Completed	2024-12-15	Completed	Completed	2024-12-15	version 1.4	2024-12-15	Approve
MSA	QA Analyst	Not Started	2024-12-15	Not Started	Not Started	-	version 1	2024-12-15	Approve

Document Management and Control

All APQP-related documentation, including DFMEAs, PFMEAs, Control Plans, and PPAP elements, is stored in a centralized repository. Version control is built-in, with time-stamped edits, user logs, and full change histories. Role-based access ensures the right level of control over who can view, edit, or approve documents. This structured approach simplifies audits, maintains compliance, and reduces the risk of errors in documentation.

The screenshot shows a 'Design FMEA' document view. On the left, there is a table with columns B, X, AB, AE, A.A., AN, and AQ. The table contains several rows of data. On the right, there is a checklist with items: 'Updated Version' (checked), 'Request Change' (checked), 'Submit for Review' (checked), and 'Approved' (checked). Below the checklist, there is a 'Comments' section with a text input field and a 'Submit for Review' button.

ID	Modified	Modified By	Old	Comments
10.0	6/15/2019 10:00:00 AM	Alex Johnson	340 5 10	Final release with performance improvements
11.0	5/7/2019 9:00:00 AM	Melvin Brown	344 5 10	Bug fixes and minor enhancements
12.0	5/1/2019 12:00:00 PM	Alex Johnson	344 5 10	Added new analytics dashboard
13.0	4/15/2019 11:15:00 AM	Melvin Brown	340 5 10	Improved user interface
14.0	4/15/2019 4:45:00 PM	Alex Johnson	340 5 10	Integrated third-party API support
15.0	3/15/2019 1:00:00 PM	Melvin Brown	340 5 10	Security patches applied
16.0	3/15/2019 10:30:00 AM	Alex Johnson	340 5 10	Optimized database queries
17.0	3/15/2019 9:00:00 AM	Melvin Brown	341 5 10	Redesigned settings page
18.0	3/15/2019 12:00:00 PM	Alex Johnson	341 5 10	Implemented user feedback system
19.0	1/15/2019 12:10:00 PM	Melvin Brown	340 5 10	Enhanced mobile responsiveness
20.0	1/15/2019 11:00:00 AM	Alex Johnson	340 5 10	Added multilingual support
21.0	12/15/2019 10:00:00 AM	Melvin Brown	339 5 10	Initial release

WHY CHOOSE DATALYZER APQP

DataLyzer APQP helps you reduce launch delays, improve collaboration, and ensure every step of your product development is audit-ready and aligned with industry standards.

While Excel might be a familiar tool, it wasn't built for complex product development. DataLyzer APQP brings structure, accountability, and real-time insights that spreadsheets simply can't match. You get centralized control, automated version tracking, role-specific access, and integrated metrics—everything needed to drive successful product launches with less risk and more confidence.

Feature	Excel	DataLyzer APQP
Project Setup	✗	✓
Built-in Templates	✗	✓
Gantt Charts & Timeline Views	✗	✓
Visual KPIs & Metrics	✗	✓
Audit Trails & Version History	✗	✓
Team Collaboration Tools	✗	✓
Secure Document Control	✗	✓
Linked FMEA/SPC Integration	✗	✓
Lessons Learned Database	✗	✓
PPAP Submission Tracker	✗	✓
Workflow Engine	✗	✓
Role-Based Access	✗	✓
Multi-project Analysis & Reporting	✗	✓

COMPANY HISTORY

DataLyzer International, Inc. was organized in the late 1970's to develop quality software for industry. Since that time, we have established a solid reputation for innovation and customer responsiveness. DataLyzer International has contributed many firsts to its industry.

DataLyzer International was the first company to provide a commercial (real-time) SPC software package for industry in the early 1980's. Soon after, we developed the first commercial Gage Repeatability and Reproducibility software package.

More recently, DataLyzer International was the first to offer multilingual web based SPC software products with FMEA and Gage management/MSA integrated.

DataLyzer has offices in USA, Portugal, Netherlands, India and Malaysia and experienced distributors in other locations being able to provide local support in almost every language and time zone

OUR MISSION

DataLyzer International is a business developing software for continuous improvement of quality and productivity. Our progress depends on successfully pursuing the following principles:

- Listen and respond to customers with strong, maintenance-free products and features.
- Offer maximum value in personal service with each customer contact, whether it be sales, support, documentation, consultancy or customer training.
- Offer worldwide local training and support to maximize effectiveness of support and reduce environmental impact to the customer by eliminating flight cost of trainers.
- Be alert for opportunities to improve.
- Support customers in the long run.



Customer Support

Technical support for the DataLyzer® APQP Management Software is available by phone, e-mail, or from our automated support desk.

- USA: Monday through Friday, 8:30 to 17:30 ET
- Europe: Monday through Friday, 8:30 to 18:30 GMT -1
- Asia: Monday through Friday IST 6:30 to 18:30

Software purchases include no-charge updates for six months. Support agreements are renewable annually. Services include new versions upon request and personal telephone, fax or e-mail support.

Training seminars are available in our offices or on site. Contact your account manager for more information. Custom software modifications can be quoted individually.

Licensing

DataLyzer® Qualis APQP Management software can be offered as a node license on premise (installed per PC) or as a concurrent license on premise (PC, Web or Citrix) or as a SaaS subscription solution.

Database Compatibility

DataLyzer® Qualis APQP Management software versions are available for use with Microsoft SQL Server databases (SQL Server Native Client, ODBC Driver/OLE).

Operating System Compatibility

DataLyzer Qualis modules work with the following Microsoft Windows operating systems: Windows 8, 10, 11 and browsers Edge, Chrome and Firefox. Citrix® and Microsoft Terminal Services thin client/server configurations can also be used.

Qualis APQP Management runs in a browser or as an installed application or as SaaS (public and private cloud).

Associated Modules

- DataLyzer® Qualis Wizard
- DataLyzer® Certificate of Analysis
- DataLyzer® Dashboard Module
- DataLyzer® Qualis SPC
- DataLyzer® Qualis Gage management and MSA
- DataLyzer® Qualis Failure Mode and Effect Analysis

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