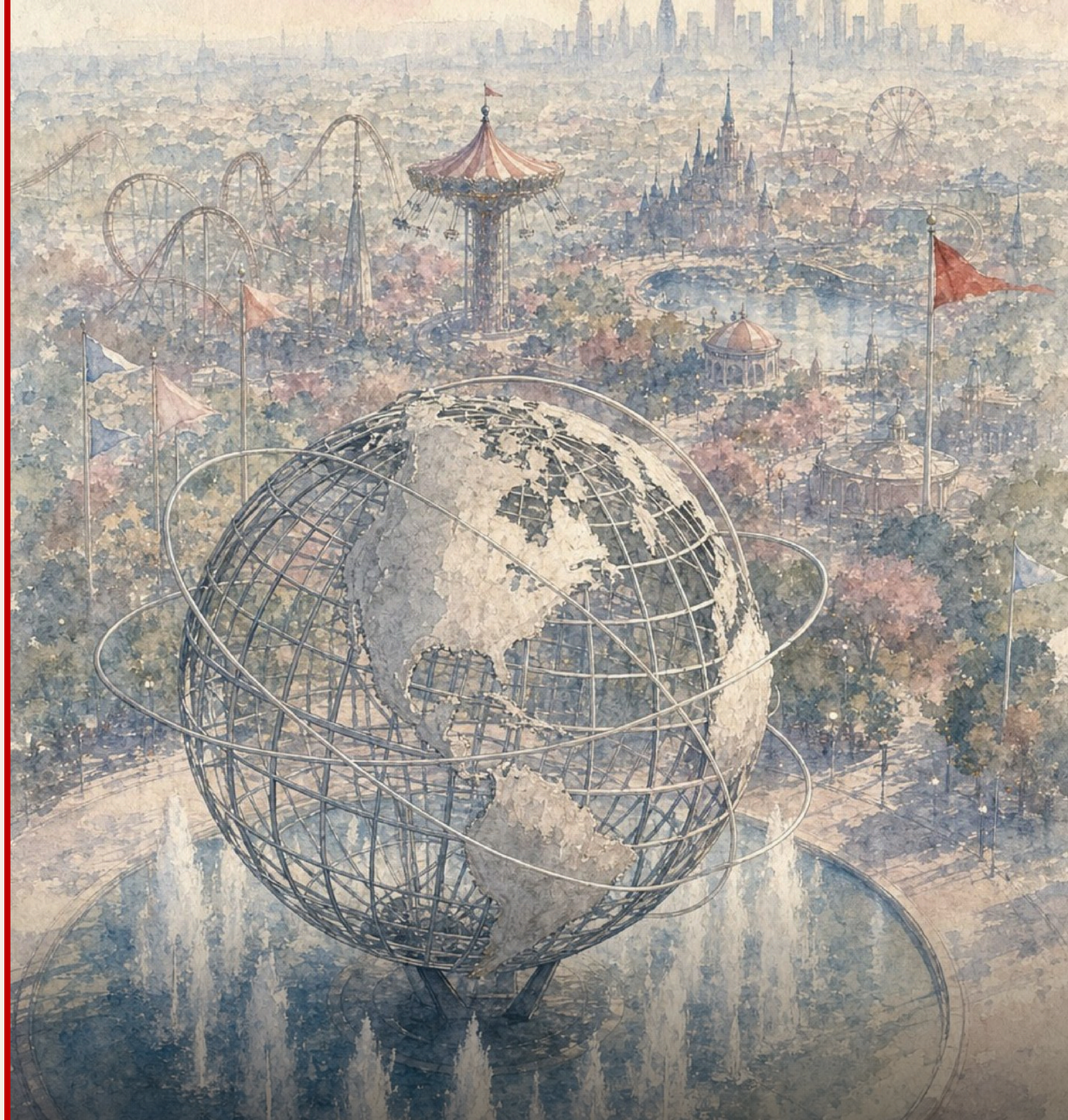
Can't we just…

offload the Universal Creative documentation?

Custom-written design review compliance packages.



Turnkey and fixed-price Universal Creative *compliance documentation.*

CONCEPT AND PRELIMINARY DESIGN REVIEW

GPS 3.1 to 3.9 · 22 documents

- Drawing tree
- Element type table
- Performance specifications
- Theory of operation
- Design factors, assumptions and analyses
- Fabrication plan
- Installation plan
- Special tests, prototypes and mockups
- Material samples
- Facility interface spreadsheet
- Interface and point-of-connection
- Cable schedule
- Electrical specification and QC plan
- Concept and preliminary level drawings
- Failure analysis report
- Stress analysis report
- Engineering calculations
- Electrical design and schematics
- System level hazard analysis
- Analysis roadmap
- Factory acceptance test plan
- Site acceptance test plan

DETAILED DESIGN REVIEW

GPS 3.8 to 3.17 · 16 documents, plus the preliminary set revised

- *Every preliminary document, revised to detailed design*
- Original equipment manufacturer documentation
- Spares, consumables and limited-life lists
- Obsolescence list
- Assembly instructions
- Operations and maintenance manuals
- Training plans
- Translations to the park's language
- Quality assurance documentation
- Test reports
- Shipping information and crating plan
- Special tools, tooling and molds lists
- Letter of compliance

SUBSYSTEM CONTROLLER PACKAGE

SSC specification · 10 documents

- System description
- Control system theory of operation
- Software design specification
- System hazard analysis and risk assessment
- Controls risk assessment and safety requirements specification
- Safety-related control system design specification
- Failure mode and effects analysis
- Validation
- Interface control document
- SSC operation and maintenance manuals

QUALITY ASSURANCE PROGRAM

GPS 3.2.1 · one document, 13 sections

- Quality policy
- Standards compliance
- Organization and responsibilities
- Design and document control
- Subcontractor and supplier control
- Inspection and certification
- Traceability of components and materials
- Nonconformance and corrective action
- Manufacturing and assembly records
- Training and competency
- Calibration
- Packaging, storage and shipping
- Quality records and audits

And the hazard analyses?

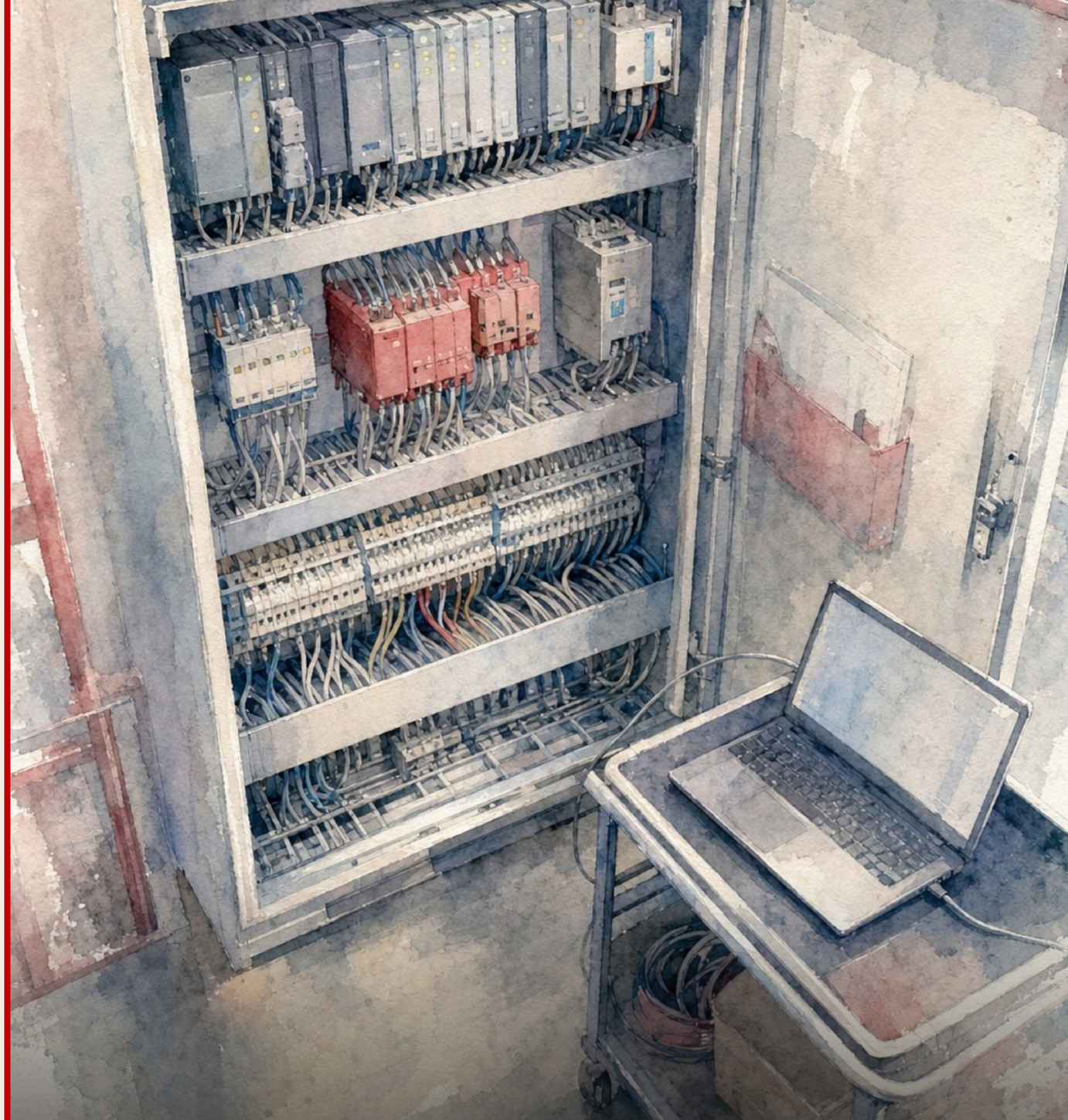
Yep, we take care of those.

We work as a team to confirm that all hazards have been identified and mitigations addressed.



We even handle *the subsystem controller package.*

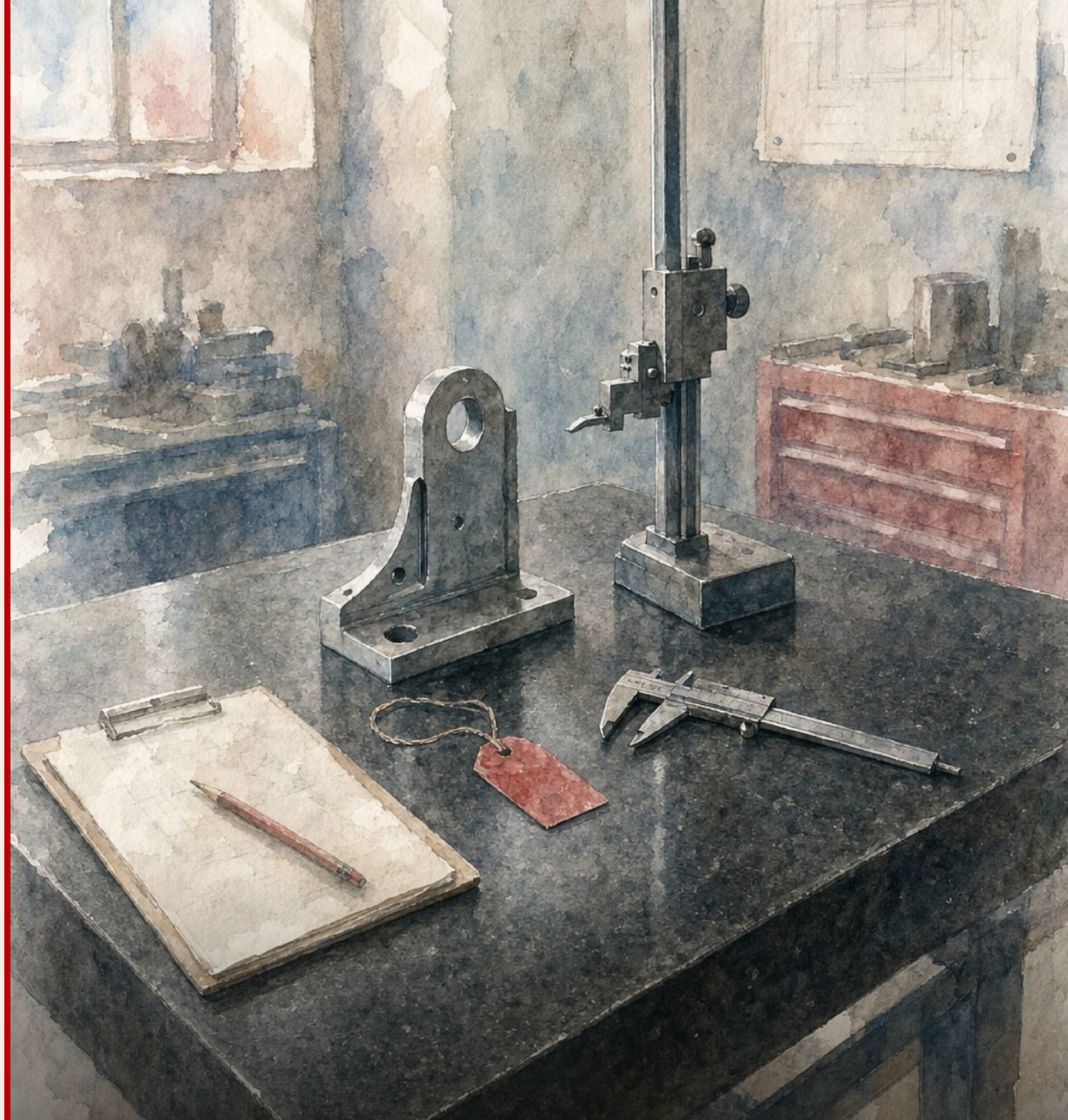
Written with input from your controls engineer, to the Universal subsystem controller specification.



And the Quality Assurance Program?

Yes, and that one too.

Inspection, traceability, nonconformance and records, written for your shop and for the auditors.



Reviewer comments back?

Yes, we write the responses.

Every comment in the log answered, tracked and closed, with the revised documents to match.



We let your engineers be engineers, *not documentation jockeys.*

We handle the documentation, so your engineers can handle the design and engineering.



Senior engineering talent from Imagineering, Universal, Sphere and Netflix.

PAST DESIGN REVIEWS

- Animated figures
- Stabilized camera systems
- Ice-making SFX equipment
- Architectural and show lighting systems
- Puppets
- Type 1 electric floats
- Underwater show action equipment
- Kinetic sculptures
- Audio-Visual systems

cantwejust.com/design-review

