



A44 COMPANY — Services Menu

A44 ENGINEERING

- Control systems engineering and architecture
- IQAN MC43/MD4 design and logic development
- Hybrid traction logic and HV system strategy
- BMS logic including SoC, thermal and protection algorithms
- CAN/J1939 architecture, diagnostics and DBC structuring
- HMI/UI development using Qt and MD4/MD5
- Diagnostics, reverse engineering and project recovery

A44 DIGITAL SOLUTIONS

- Full-stack development (React, TypeScript, Node.js, Electron)
- Websites, internal tools and automation platforms
- Desktop apps and engineering productivity tools
- API integrations and JSON/YAML schema systems
- AI tooling and ChatGPT API integrations
- Website optimisation, updates and maintenance

AI-ACCELERATED ENGINEERING

- AI-assisted debugging, documentation and workflow tooling
- Custom AI tools for engineering teams and SMEs
- AI-driven automation for operational efficiency

Industries Served

Hybrid/Electric Locomotives

Agricultural & Off-Highway Machinery

Industrial Automation & Robotics

EV/Hybrid R&D; Platforms

Prototype and Special Vehicle Systems

Contact

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