CONSULTANT INVOICE

INVOICE #: INV-2025-001
DATE: July 20, 2025
DUE DATE: August 31, 2025

BILL TO:

Inquis Medical Inc.
1530 O'Brien Drive
Menlo Park, CA, 94027

FROM:

Neekon Saadat
Embedded Software Engineering Consultant
75 Barry ln.
Atherton, CA, 94027

Contact:
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SERVICES RENDERED

Period: July 14 - July 18, 2025
Hourly Rate: $100.00

Date	Hours	Description	Amount
July 14, 2025	8.0	**Codebase Review & Documentation Integration** • Initial 20hr/week engagement setup and repository access coordination with Mike Paré • Comprehensive review and documentation of `common/` source directory • Implementation of Doxygen/gcov compatible function annotations for progress tracking • Complete Doxyfile configuration for recursive documentation generation • Doxygen integration with LaTeX and HTML searchable documentation output • Cross-reference system development for method tracing and risk/interaction reporting • Created comprehensive REMARKS.md with accumulated suggestions from common directory review • Established `neekon-r-a-u` branch for local tool installations	$800.00

July 15, 2025	1.0	**Repository Maintenance & Documentation Organization** • Repository synchronization and Doxygen output organization • Top-level documentation file cleanup and maintenance	$100.00
July 16, 2025	8.0	**Security Analysis & Risk Assessment** • Doxygen documentation configuration refinements • Advanced codebase analysis using Devin-generated reports for FSM, interrupt, and memory vulnerabilities • Development of comprehensive Memory_Safety_Risk_Report.md documenting buffer overflow, null pointer, and allocation vulnerabilities • CLAUDE.md construction based on AI analyst reports for FSM and memory vulnerabilities • File-by-file memory safety risk analysis across entire codebase	$800.00
July 17, 2025	8.0	**Testing Strategy Development & Implementation Planning** • Creation of Gen_3_0_Robustness_Testing_Strategy.md for comprehensive system stress-testing • Finalization of Memory Vulnerabilities, Interrupt Vulnerabilities, and FSM Architecture reports • Development of targeted failure condition scenarios for embedded medical device testing • Major revisions to Robustness Testing Strategy for Gen 3 CMS+HANDLE testbench implementation • Document transformation from plain text to structured markdown with tables and sections • PDF generation and distribution to Rose and team members • Testing scenario enhancement with priority classifications and impact analysis • FSM documentation refinement and PDF sharing for diagramming assistance	$800.00
July 18, 2025	4.0	**Testing Implementation & Issue Identification** • Remote testing strategy refinements and team coordination • On-site testing strategy implementation with successful initial results • Collaborative testing effort coordination with Rose • Creation of testing_notes.md documenting critical findings • Identification and documentation of SD card removal causing unhandled FIFO crash on CMS during startup • Documentation of CO_2 depletion timing issues during piston confirm stop state • Development of specific improvement suggestions for error state handling and SD space detection	$400.00

INVOICE SUMMARY

Subtotal:	$2,900.00

Tax:	$0.00
Total Due:	**$2,900.00**

Total Hours: 29.0
Total Days Worked: 5

PAYMENT TERMS

- **Payment Due:** 1 calendar month from invoice date
- **Late Fee:** 1.5% per month on overdue amounts
- **Accepted Payment Methods:** Check, Wire Transfer, ACH

Thank you for your business.