



Medical device failure analysis

Independent engineering for legal counsel, manufacturers, and healthcare organizations.



Alpha Devices investigates device performance through testing, software analysis, technical records, and FDA data. We explain the findings in reports and expert testimony.

Failure analysis

Device inspection, incident reconstruction, and evaluation of possible causes.

Custom testing

Fixtures, controlled experiments, and independent measurements.

Software & device data

Code, firmware, alarms, signals, and event reconstruction.

Design & quality records

QMS records, DHFs, risk files, and traceability matrices.

FDA database research

MAUDE reports, recalls, clearance history, and device identification.

Expert reports & testimony

Independent opinions, technical exhibits, deposition, and trial.

Litigation experience

\$1.1B Philips settlement

Device analysis and expert support in the Philips Respironics litigation.

[Philips settlement announcement](#)

Nearly \$50M in other cases

Combined verdicts and settlements in other litigation supported by Alpha Devices.