Drug/Alcohol Test Unit

What is it?

A device capable of measuring a test swab, storing it digitally, transmitting it to a server side solution as a chain of evidence, with a random test generator and full account management (client by client). The device itself was created using Raspberry Pi and C with SQLite with comms over HTTP.

Why was it developed?

The tester allows samples to be retained in the chain of evidence, protected as a digital sample. The device is easily deployed with a wide range of uses, from occupational health and sports to law enforcement

Who uses it?

The police and occupational health companies – as well as large companies with heavy machinery and logistics companies.

Any plugins?

No.

What type of system is it?

The system was developed in two parts. Part 1, the server houses the data solution, reporting and member based interface platform. This included a chain of evidence, a random test generator and full account management (client by client).

Part 2 - The device itself was created using Raspberry Pi and C with SQLite with comms over HTTP and allows a swab to be read with he results recorded digitally back to the server side data system.