

We have solutions.

... an integrated log haul management system that's improved efficiency, productivity, safety and profitability



LumberJack

The challenge:

The haulage industry currently lacks an effective, advanced, and fully integrated management solution for monitoring truck locations, weight, vehicle speeds and engine efficiency.

The solution:

Beginning with a conceptual framework for the logging industry, Mercurial designed LumberJack, an integrated log haul management system that has improved efficiency, productivity, safety and profitability for the client.

This fully mobile solution uses embedded systems technology, and custom-built hardware to endure the extreme working conditions of the logging industry.

The impact:

A GPS-driven map display that:

- ➔ Shows the live position of other vehicles on the driving route
- ➔ Shows drivers where they should be in the cycle for the most efficient haul
- ➔ Warns the driver of detours, speed changes, collision avoidance, etc.

Self-adjusting on-board scales that:

- ➔ Display individual & total axle weights, and warn if over legal limit
- ➔ Allow for automatic calibration at government scales
- ➔ Compensate for uneven ground loading



The result:

Mercurial has created a product that ensures LumberJack clients have a safer, more efficient haulage and distribution operation, and improved cost efficiencies.

LumberJack's 'live position' tracking ensures that drivers in difficulty can be identified quickly, so help can be dispatched promptly.

Wireless data transfer that:

- ➔ Has instant access to transfer data from on-board computer to the office
- ➔ Eliminates the time, expense and inconvenience of manual data entry

Engine data monitoring that:

- ➔ Collects speed, fuel consumption, shifting pattern and brake usage data
- ➔ Automatic log book & load ticket
- ➔ Monitors engine condition and driving habits

It's increased productivity features have translated into increased profit, and it's GPS tracking and data monitoring reduces wastage and mismanagement of resources.