Baker Hughes

Real-time delivery management system
Optimize your delivery and treatment programs

Applications
- Production wells
- Injection wells

Benefits
- Efficient and more reliable delivery scheduling
- Ability to optimize downhole treatment schedules efficiently
- Reduced miles driven
- Less vehicle time on the lease and HSE risk
- Lower CO_2 emissions and less fuel used

Oilfield systems in North America include a vast number of production and injection wells. Many of which need batch chemical treatments as part of their maintenance program. Other oilfield sites require chemical deliveries to storage tanks for continuous injection. In both cases motor vehicle deliveries are required, very often with sub-optimum route planning. Potential areas for improvement include reducing unnecessary miles driven and fuel used. Also, making better use of operator time and reducing HSE exposure. Every mile saved is 1 less mile of risk.

Real-time delivery management

Baker Hughes have developed a real-time delivery management system to address these challenges and to help optimize your delivery and treatment programs.

The new system involves using turn-by-turn navigation and geo coding of delivery sites together with the job workflow to generate optimized routes and drop offs.

Optimization is also governed by various trip priorities such as cost of treatment, tank size and routes available.

Downhole treatment optimization and tracking

The system allows real-time monitoring of treated job status. It also accommodates unplanned jobs and re-optimizes routes as needed.

This major step forward in treatment efficiency employs the latest technology to enhance delivery performance and lower risk, and is part of the portfolio developed by our Intelligent Chemistry initiative.
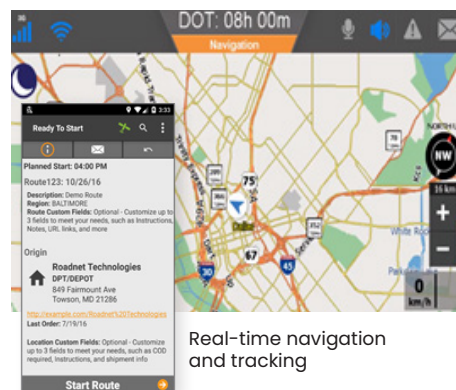
How well are we doing?

Measuring performance is always important. Planned versus actual truck routing and associated savings are tracked via a dashboard system.

Real-time navigation and tracking

Route planning app.