

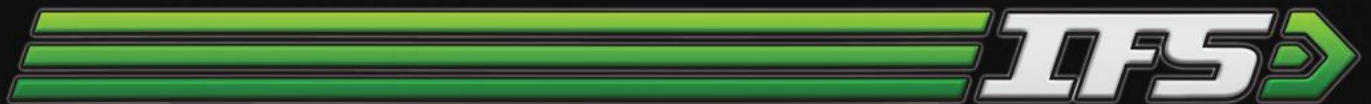
Operator interface & Control Centre



Lumier control systems provide a central information hub for peripheral systems on mobile and stationary equipment.

The modular design seamlessly integrates with on-board systems and enables 3rd party suppliers improved communication and control levels through a robust full colour touch screen display.

FUEL AND LUBE HANDLING



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DRILLS, SHOVELS & DRAGLINES

- Terrain Monitoring System
- Easy additional CAS integration
- Depth measurement & rod detection
- Out-Rigger auto-positioning
- Life lines Data Logging
- Control & Monitor
 - Water Injection Pump
 - Compressor & Air system
 - Air quality & Dust suppression
 - Multiple grease systems
 - Tank levels
 - Kidney system



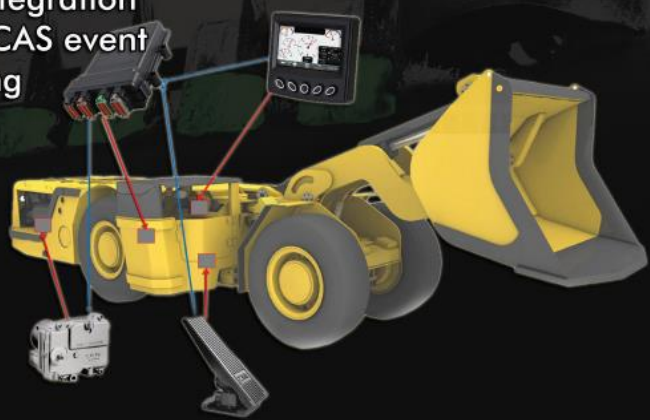
CCTV CAMERAS

- User selectable camera integration
- Superimposed or Full view
- Recording with external DVR



DRIVE-BY-WIRE

- Electronic throttle control
 - Throttle pedal
 - Lumier Interface
 - Engine ECU
- Easy CAS Integration
- Logging of CAS event
- Data Logging
- Actuator



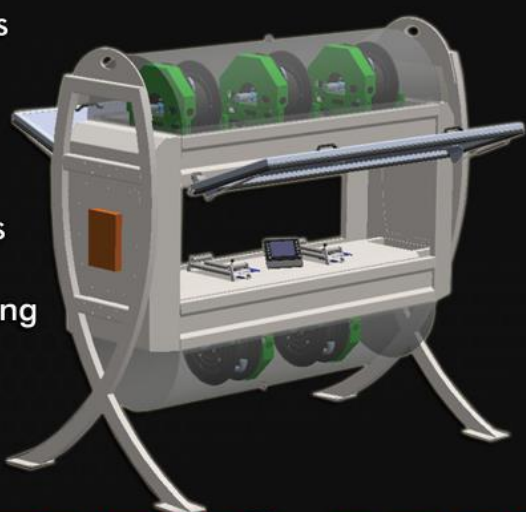
ENGINE MONITORING

- Engine rpm, temperature and consumption
- Oil temperature, pressure and level
- Tank levels with remote notification
- Battery voltage & charge



HYDRO-CARBON MANAGEMENT

- Lubrication Trucks
- Diesel Bowsers
- Water Bowsers
- Workshop Bays
- Bulk Tanks
- Dispense Systems
- Keypad/RFID
- Transaction logging



OPERATOR ID & CONTROL

- PIN or Swipe card Authentication
- Procedural risk acknowledgement
- Incident log



LIMITLESS APPLICATIONS