Benefits

- Reduces the frequency of manual balancing of pumping units
- Reduces the safety risk to personnel balancing pumping units
- Reduces energy consumption

Features

- Automatic adjustment of auxiliary counterweight in response to changing well conditions
- Works in conjunction with the Bright III VSD
- Employs sophisticated algorithms to ensure best match of pumping mode with well conditions
- Can be retrofitted to existing pumping units
The Bright IV™ system, including Bright III™ VSD and automated counterweight adjustment, can add to the efficiency, safety, and productivity of any pumping unit. Able to automatically adjust an auxiliary counterbalance located on the pumping unit in response to changing pumping conditions, the Bright IV is designed to deliver optimized pumping performance. Utilizing sophisticated algorithms to process data from the pumping unit, the Bright IV's VSD controller automatically adjusts the beam-mounted, adjustable auxiliary counterweight to provide the industry's closest match to the “perfect balance” status.

With the Bright IV providing for automatic adjustment of the auxiliary counterbalance, the frequency of field crews being called on to balance pump units can be significantly lowered. With less time dedicated to balancing pumping units, the potential for safety events is dramatically reduced, as is downtime. In addition, a pumping unit that is continuously balanced by the Bright IV system has been demonstrated to consume significantly less energy to operate.

Bright Automation is an energy industry leader in electronic monitoring and control products and systems, offering a broad range of advanced drilling products – including VFDs, SCRs, top drive control systems, and auto-drilling systems – in addition to its industry-leading line of lift control systems.