A typical Filter Press Feeding cycle begins with a high flow rate and low pressure filling followed by a low flow rate with increasing pressure generated by the cake formation in the chambers.

PCM fully automated skid brings **SIMPLECTY and HIGH PERFORMANCES** at each cycle step:
- High flow-rate filling with minimal shear
- Constant sludge pressure for optimum cake consolidation and superior filtrate quality
- Flow regulation according to pressure variations
- Reduced press cycles
- Polymer injection proportional to sludge flow rate

**PLUG AND PLAY**
- Programmable Touch Screen feed controls for optimum filtration
- Full data display (flow-rate, pressure, filtration curves, cycle time, alarm logs,...)
- Press cycles according to sludge origins
A quartz quarry was experiencing costly and unscheduled downtimes with a centrifugal filter press feeding pump operating at 110 m$^3$/h.

The replacement with PCM skid allows to maintain a constant sludge pressure at 15 bar (vs 8 bar) significantly enhancing the cake quality and associated costs. Designed for heavy duty fluids, it dramatically reduces maintenance times and costs and only requires 37 kW instead of 100 kW previously required.