

## ACTIVE PERFORMANCE MANAGEMENT (APM) SERVICE CONTRACT



Armstrong Fluid Technology ensure preventive and predictive maintenance through cloud-services (Pump Manager, Booster Manager) plus asset and energy management applications, timely expert support, parts availability, and through a lifecycle equipment upgrade for the specific site and equipment listed. Service intervals will be determined by a number of factors not limited to equipment runtime, application, location, and insights from cloud-based services.

### WHAT'S INCLUDED:

- 24/7 Service Priority support on parts, software, and labor
- Preferential parts price discount
- Per contract, 1-year Pump Manager subscription for up to 8 pumps on a single subscription
- Free 1-year data plan with secure connectivity kit
- Active Performance Management of equipment under contract
- 1x free site audit analysis
- Discount on Performance Upgrade for legacy Design Envelope pumps identified during the site audit
- 1-year extended warranty on parts and labor for connected Pumps

## BENEFITS – OPERATION AND MAINTENANCE:

Priority, fast response in the event of a service call

Priority access to first release of parts and software updates

Predict and identify potential problems (excessive vibration, unloaded pump, dead head, and cavitation) before they cause expensive failures

Make other systems such as BMS, EMMS, CMS smarter

Remotely track pump performance, historical service records and access specific I/O manual, serial #, config files, service reports

Protect flow-sensitive machinery such as chillers, boilers and cooling towers from excessive or no-flow conditions

Save up to 21% on energy costs and up to 46% on maintenance costs from the real-time optimization and Active Performance Management of connected asset

Peace of mind - knowing that the equipment has been retrofitted and re-commissioned based on building load conditions

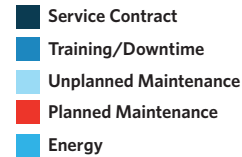
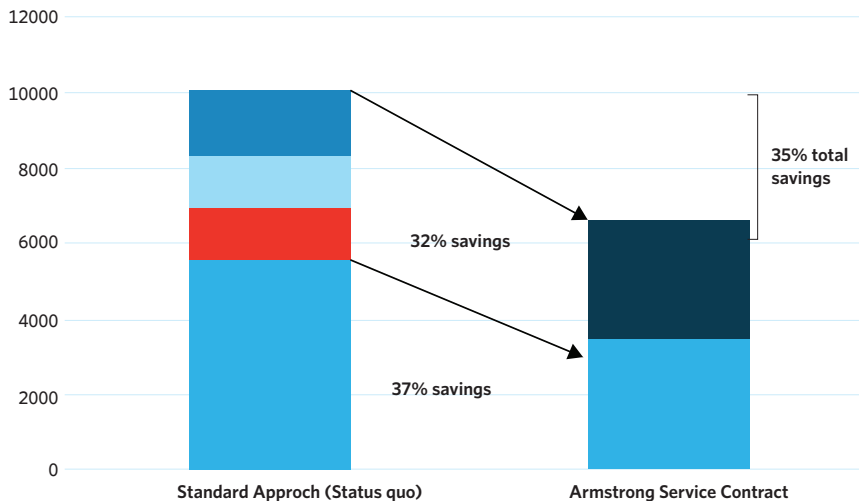
Use advanced re-commissioning steps to improve asset reliability and future availability

Extend asset life by at least 2 years

Determine whether a pump needs to be resized for optimal performance

For a 10,000 (local currency) pump

Standard Approach versus Purchasing Armstrong Service Contract



Payback of less than 2 years

### Additional savings

- Building owner peace of mind
- Occupant comfort & retention
- 24x7 phone support
- 2 hr. Response time for emergencies
- Preferred hourly rate for on-call Labour (portion not covered by CEW)
- Comprehensive asset lifecycle management included (firmware upgrades/updated, security patches etc.)