

# AVS – Electronic Programmable Multi-position Circulating Valve

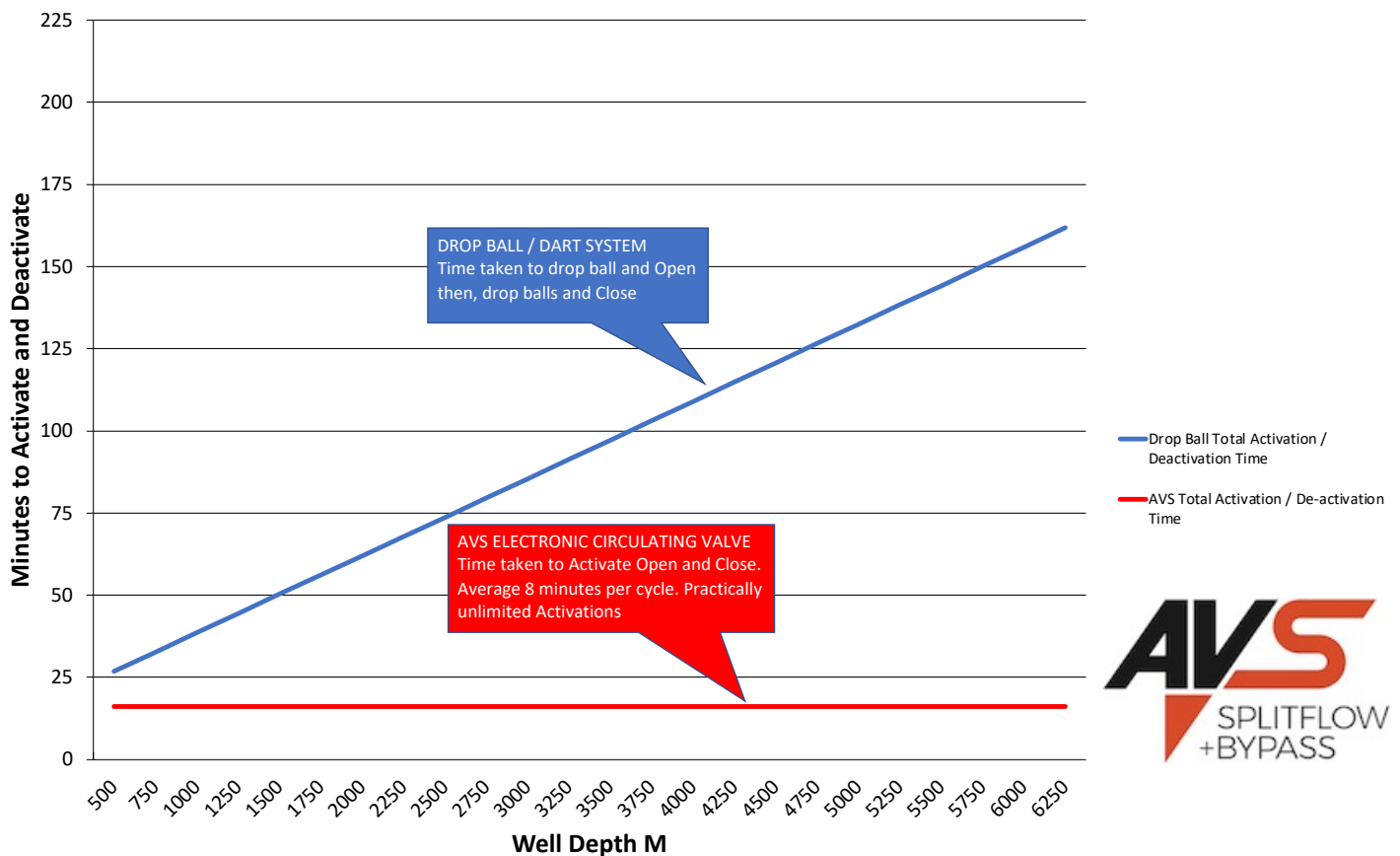


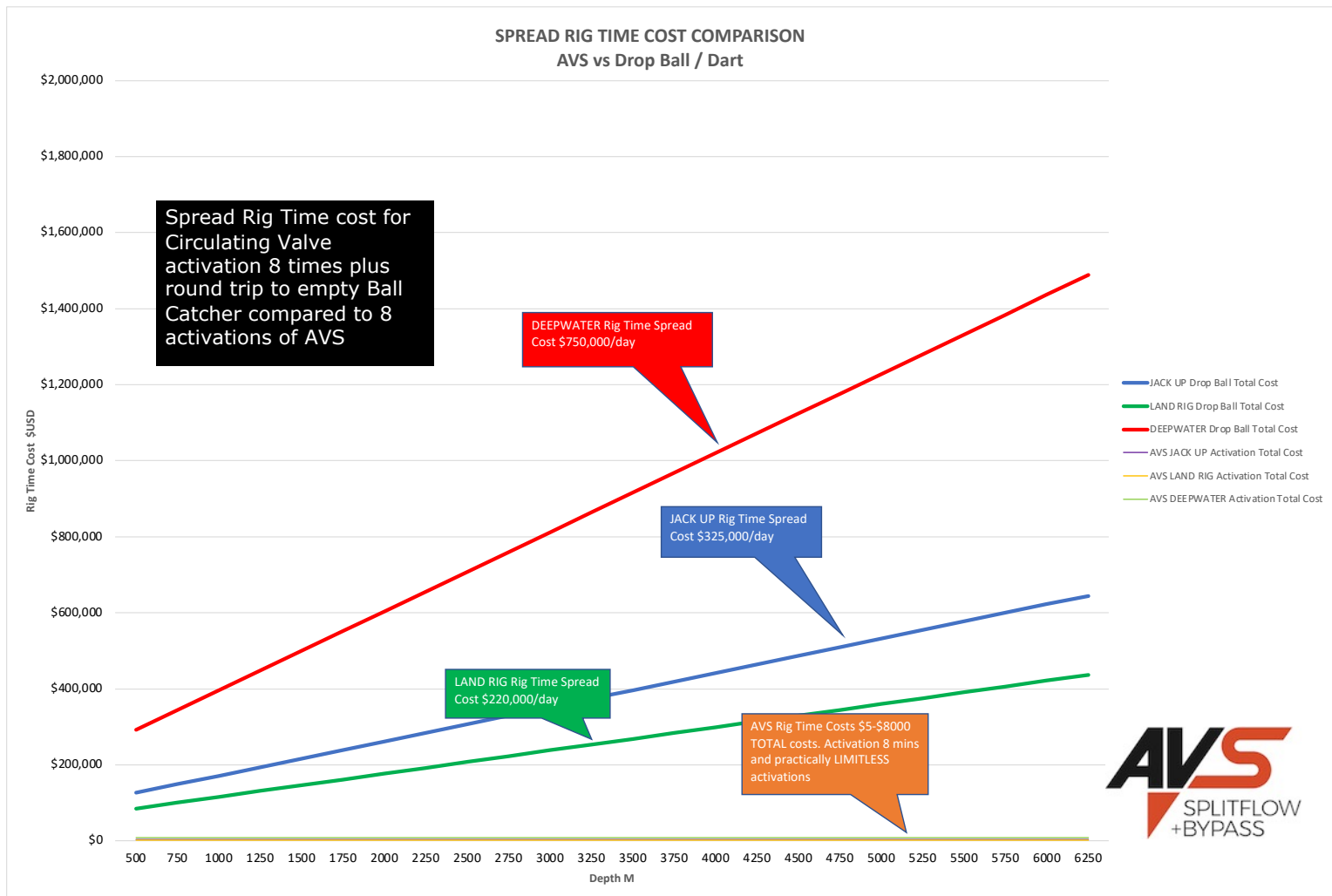
Powered by  
**DEAP**  
DOWNHOLE ELECTRONIC  
ACTIVATION PLATFORM

- ✓ NO BALLS, NO DARTS, NO HASSLE!
- ✓ ELECTRONICALLY ACTIVATED
- ✓ DOWNLINK FROM SURFACE FOR RAPID ACTIVATION REGARDLESS OF WELL DEPTH OR INCLINATION
- ✓ PRACTICALLY LIMITLESS ACTIVATIONS
- ✓ THREE POSITIONS
  - THRU-BORE
  - SPLITFLOW
  - BYPASS

Time for Balls / Darts to land on Seat and Open plus time for Balls / Dart to land on seat and Close. No allowance for slippage and hole inclination.

**ACTIVATION TIME COMPARISON**  
**AVS vs Drop Ball / Dart**





The chart above demonstrates the cost savings in rig time for each variation in spread cost for a Land Rig, Jack Up and Deepwater operation. The spread costs are indicative and will vary according to that specific operation. The total rig time compared consists of 8 activations and de-activations plus a round trip to empty the ball chamber. The AVS has practically limitless activations and no round trip is accounted for as there is no ball chamber to empty.

This is an indicative cost saving only and does not account for the overall benefits of using the AVS for optimizing hole cleaning while drilling using the Splitflow position and Bypass positions. This will result in faster clean ups, less back reaming and overall, quicker and safer tripping.

For more information, please contact : [ghunter@intelligentdrillingtools.com](mailto:ghunter@intelligentdrillingtools.com)



DEAP is the facilitation platform for the AVS and other advanced downhole tools from IDT.