

GAM Gearboxes Drive the Innovative PARKPLUS AGV System

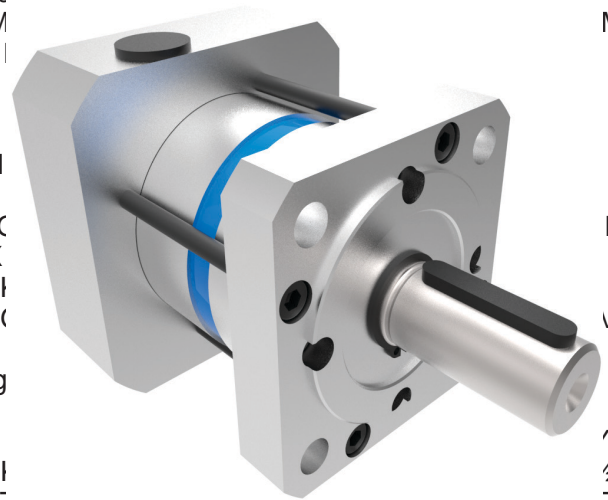
PARKPLUS is a leading provider of automated and mechanical high density parking solutions in North America. They developed an advanced parking system consisting of free-roaming, battery operated, omni-directional AGV YRMXW XLEX YXMPM^I XVEJ½G QEREKIQIRX WSJX[EVI QEVOIVW ZMWF EYXSQEXIH WXSVEKI ERH VIXVMIZEP SJ ZILMGPIW SR XVE]W 8LI 4%6 I\MWXMRK QYPXM PIZIP TEVOMRK WXVYGXYVIW 8LIWI WXVYGXYVIW X TVIWIRXIH E GSRWMHIVEFPI GLEPPIRKI [LIR HIWMKRMK XLI %+:

Challenge

8LI %+ : LEH XS FI TS[IVJYP IRSYKL XS XVERWTSVX E ZILMGPI -EVSYRH tions. This put a tremendous amount of strain on the physical HIWMKR IRZIPSTI SJ XLI %+ : WTIGM GSRWMWXW SJ X[S QSXS VW ERH KII XLI SQRM HMVIGXMSREP [LIIPW

GAM Solution

4%6/4097 TEVXRIVIH [MXL +%1 XS H solution that could handle the demanding TIVJSVQERGI VIUYMVIQIRXW EWWS C +MZIR XLI TVIHI½RIH WTEGI PMQMX WIPIGXIH XLI QQ JVEQI WM^I)40 I IVP] ½X MRXS XLI EWWIQFP] ERH E(VIUYMVIQIRXW 8LI WXRHEVH)40 hardened and ground straight cut gears, and heavy duty ang contact bearings for a 30,000 hour life rating. To absorb the WLSGO ERH VIZIVWMRK PSEHW XLI XLI TEVOMRK WXVYGXYVIW +%1 IRI ZIVWMSR [MXL E QSVI VSFYWX SYX T I A E Q V M R K W E L X A E N T E H H I H X rods for additional reinforcement.



Results

8LI VIWYPXMRK)40 KIEVFS\ WSPYXMSR WYTTSVXW E XMQIW WEJIX] W]WXIQ LEW FIIR MR STIVEXMSR JSV SZIV X[S]IEVW MR WIZIVEP PSG

“ ;I GLSWI XS [SVO [MXL +%1 FICEXW] Q] XLI ½UMEMBYI

their engineering team offered given the stringen UYMVIQIRXW TPEGIH SR XLIQ TVSZMHI XLI I\EGX KIE&LFI\$ \GX RSX LEZI FIIR QEHI EW WTEC KIEVFS\IW

-Andreas Wastel, Vice President and Chief Engineer of PARKPLUS

* SV QSVI MRJSVQEXMSR SR inline gearbox, visit [L X X T \[\[\[K E Q \[I F](#) For more information on PARKPLUS and the AGV system, visit <http://parkplusinc.com>

