



Diversified Industries C&IS and SunLine Transit Agency

Joint Press Release (Feb. 05, 2018)



Diversified Industries C&IS, based in Orlando, Florida, was awarded the Implementation Contract for System Maintenance Automated Repair and Test (SMART) software by SunLine Transit Agency, June 2017. SunLine Transit Agency is a Southern California public transportation agency that is based in Thousand Palms, California. SMART Software integration, testing and end-user training was successfully completed November 2017.

SunLine Transit Agency has been leading the front on alternative fuel buses in the US and is on a clear path to an all zero emission fleet. The Agency has developed a reputation for taking on “firsts” in the industry – from being the first transit agency to convert its entire fleet from diesel to compressed natural gas (CNG) in 1994 to putting into service the first fuel cell bus in 2000. In Fiscal Year 2015/2016, SunLine served almost 4.4 million fixed route passengers over 3,884,869 miles and 255,822 hours of revenue service. For more information about SunLine Transit Agency, go to sunline.org.

SMART software was initially designed and used by NASA to support their man space flight program, unscheduled maintenance work effort at the NASA Kennedy Space Center, Florida. NASA awarded Diversified Industries C&IS (DI) with an exclusive license agreement to commercialize, market, sell and service SMART software worldwide. DI’s President & CEO is one of SMART co-inventors.

DI re-engineered and updated SMART software for implementation and use on ten (10) of SunLine’s existing hydrogen/battery electric, zero emission buses (ZEB) currently in service. There are ten (10) additional ZEBs recently ordered with delivery starting 2018. DI believes that there are several other public transportation agencies throughout California that can benefit from SMART advance yet simple to use unscheduled maintenance software.

SMART software is marketed and sold as a SaaS (Software as a Service) based product and provides subscription licensed to end-users for a period of one year, renewable each year with help desk support.

Best-practice troubleshooting and repair procedures should always be available and ready for use after an organization acquires this knowledge. SMART Software can capture and share best-practice procedures and auto-generate repairs on-the-spot.

SMART software offers SunLine ZEB technicians the following benefits:

- Ability to share and grow ZEBs unscheduled maintenance best-practice troubleshooting and repair procedures to be shared across the workforce via cloud-based wireless computer network. This capability help to greatly reduce knowledge drain due to employee turnover
- Reusable common data-modules/work instructions reduce duplications of work instructions
- Eliminate/reduce procedure errors, improve safety and work quality by reducing risk of procedural writing errors
- Reduce no fault removals of various hardware by quickly accessing established best-practice troubleshooting and repair procedures loaded in SMART
- Maximize repairs productivity time, SMART has been shown to be faster than traditional industry methods
- Minimal time required to train technicians through data retention of best practice repair procedures that are available for use
- Troubleshooting logic is simple, quick to comprehend and support most all web-based portable and/or wired computers
- SMART training classes typically average ½ day
- Utilize DI's re-engineered software based on NASA Space Program safety and work quality heritage incorporated into SMART design

For more information regarding SMART Software Unscheduled Maintenance capabilities, benefits and cost savings across the following industry sectors: Ground Transportation, Aerospace, Maritime Vessels and Electrical Power & Distribution, please contact:

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