Shuttle Repair Tools Automate Vehicle Maintenance

**Kennedy Space Flight Center**

**Diversified Industries (DI) CS&I Inc. Orlando, FL**

**NASA Technology**
- Keeping up with the paperwork required for maintaining and repairing a space shuttle proved cumbersome for engineers and technicians.
- A NASA contractor devised the System Maintenance Automated Repairs Tasks (SMART) software program that streamlines the process, saving time.

**Technology Transfer**
- The contractor who designed SMART received a license from NASA to commercialize the technology and founded Diversified Industries CS&I Inc.
- Commercial aircraft, aerospace vehicles, and ships benefit greatly from SMART’s ability to manage repairs by accessing a robust data set of accepted procedures, thereby ensuring greater safety outcomes.

**Benefits**
- The software cuts repair disposition time by 45 percent.
- Time and paperwork savings make engineers’ lives easier while cutting down on costs.
- Former NASA engineers now work at Diversified Industries Inc. because of their expertise with the software.