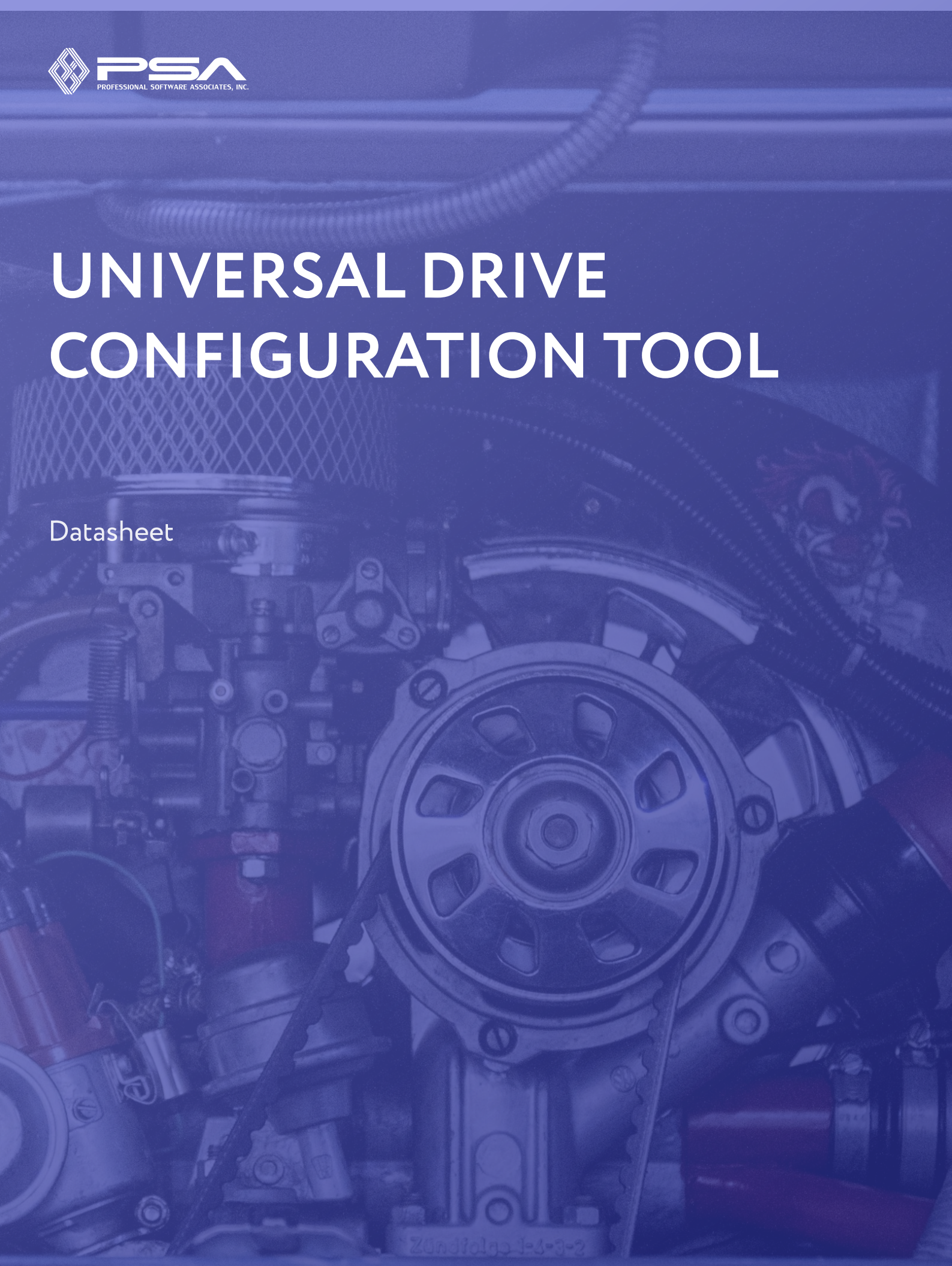
PSA
PROFESSIONAL SOFTWARE ASSOCIATES, INC.

UNIVERSAL DRIVE CONFIGURATION TOOL

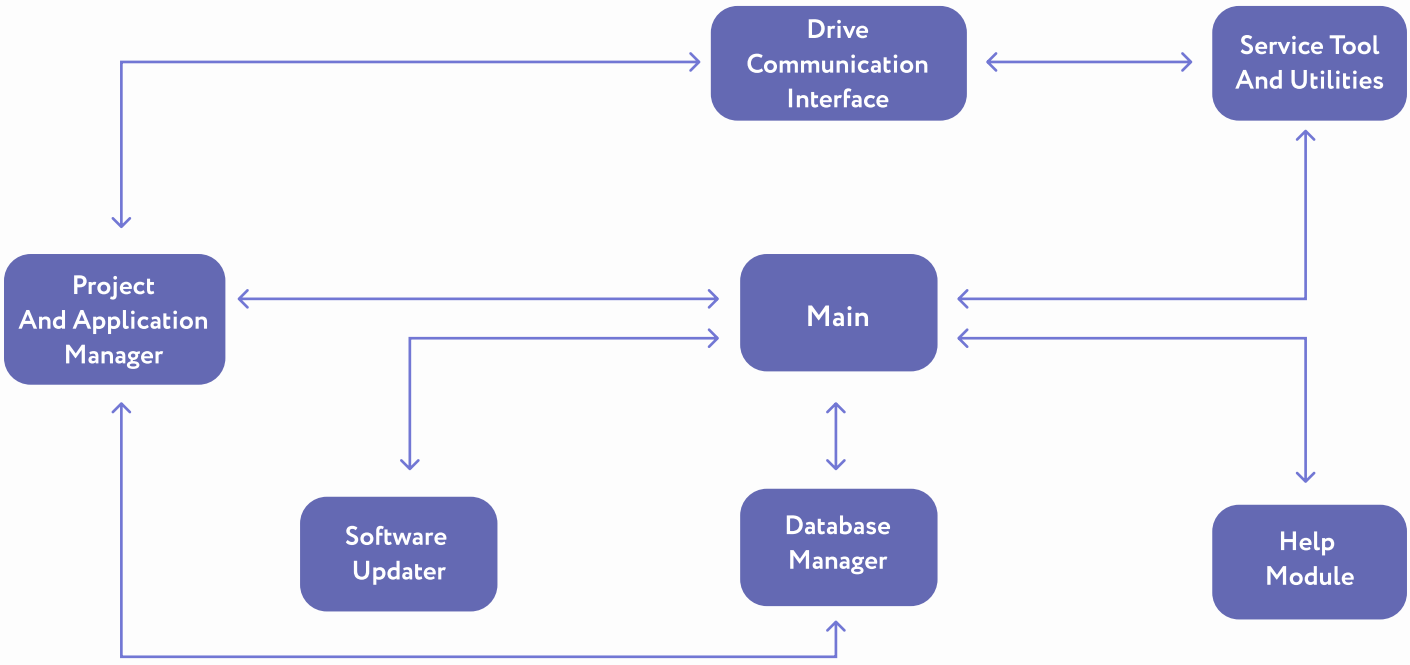
Datasheet



PROVIDING SOLUTIONS FOR TOMORROW – SINCE 1993

Project objective

Develop a new generation of software for configuring the universal drive. The drive and configuration application are supplied as a single product, coordinating the performance of various motor types.



Result

The client received the source code, installation package, and user guide for the universal drive configuration tool and was able to seamlessly and cost-effectively launch a new product to market. The delivered tool enables reliable drive connectivity and precise configuration while unlocking advanced product capabilities.

Scope of work

- Implementation of project management functionality: project set up, parameter search and storage; multilingual support
- Providing seamless communication with drives using USB. Implementation of configuration, diagnostics, and firmware updates for drives
- Implementation of Standard and Factory work mode packages, offering different sets of functionality
- User Interface design for displaying motor parameters and controls
- Comprehensive project documentation, including user manuals

Activities

- Requirements clarification (onsite)
- User stories creation
- Architecture design
- Software design and development
- Firmware development
- Communication library development
- MVP delivery
- GUI development
- Storyboards creation
- Documentation creation
- Functional and performance testing

About the project

Technologies

- C/C++
- QT 5.2
- GIT
- SQLite
- QT Creator 4.2
- Visual Studio 2017
- XML
- CorelDraw

Platforms

- Windows 7+

Project size

- 5 people

Duration

8 months

March – December 2017