PROGNOST
INTELLIGENCE ON DUTY

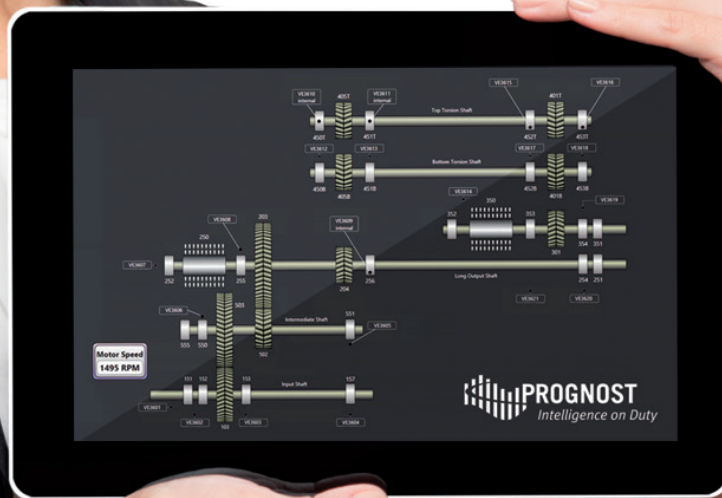Part of the Burckhardt Compression Group

PROGNOST®-Predictor V9
Enhancements to Version 8

Why Software Upgrade?

The Software Upgrade for your PROGNOST®-Predictor installation consists of new features resulting from our continuous product improvement process.

PROGNOST®-Predictor Version 9 has added important functions. Many of the software components used, were upgraded to their latest versions. Although you won't see this improvement, you can be assured that the product is being kept up to date with the latest Microsoft and other vendor technologies. This was done to make use of some new features and to maintain future support.

In previous versions of PROGNOST®-Predictor the backend services were implemented with Microsoft .NET Framework. This is an architecture that has been replaced with .NET core. It´s version .NET 6 is a more modern and versatile platform with many improvements over its predecessor.

The key advantages of this upgrade are:

Improved performance

.NET 6 offers significant performance improvements compared to previous versions of the framework. The introduction of new runtime features like the .NET 6 Runtime and the ability to use native AOT (Ahead of Time) compilation can result in faster execution times.

Long-term support (LTS)

.NET 6 will have LTS (Long-Term Support) releases, which means the system can receive updates and security patches for an extended period, ensuring the stability and security of the backend services and at the end for the whole system.

Future-Proof

The former .NET Framework is no longer receiving new features or updates, while the new .NET 6 and subsequent versions continue to evolve. .NET 6 ensures that the backend services are built on a platform that will receive ongoing support and enhancements.

All PROGNOST®-Predictor DCS interfaces now use PROGNOST Communication service so PROGNOST®-Predictor and PROGNOST®-NT share a common interface for communicating with DCS interfaces. This common platform improves the maintainability and reliability.

Notifications between PROGNOST®-Predictor software components are now sent over MQTT, another interface shared with PROGNOST®-NT. MQTT is a widely adapted, efficient, and scalable open standard for device and service communication maintained by OASIS (Organization for the Advancement of Structured Information Standards).

At the end, it should be noted that there are no longer any open listening ports on the client computer or the PROGNOST®-Predictor unit, contributing to the overall improvement of system security.

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