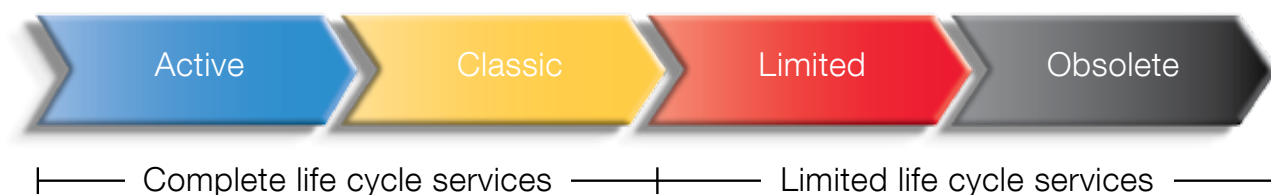


## UNITROL® P life cycle status

The easy way to connect with your UNITROL® system

ABB Power Electronics life cycle phases



### Life cycle status

The UNITROL P is scheduled to move into obsolete phase by the end of 2015. In this phase ABB cannot guarantee life cycle services and support due to the scarcity of key components and technical knowledge.

#### Our recommendation for your system

We strongly recommend migration planning to the latest ABB technology before your equipment's performance is affected as it moves into the obsolete phase. To ensure product reliability and optimum performance, ABB offers several services:

- Control upgrades to the UNITROL 6000 platform
- Retrofit to UNITROL 6000
- Operation and maintenance programs
- Spare parts management

For more detailed information, please turn over:

# Life cycle services

## Control Upgrade

A Control Upgrade includes the replacement of the legacy content of the control cabinet with the new UNITROL 6000 control platform, while keeping the existing power converters in operation. ABB has designed a standardized Control Upgrade concept which is pre-assembled, wired and tested in the factory and then installed and connected to the original terminals in the existing control cabinet. This option allows moving to an active control platform at a reduced cost when compared to a full replacement. Therefore the reliability of the installation is increased and the availability of spare parts and product expertise is ensured. The larger the existing system (e.g. number of converters) and the better the condition of the system, the more beneficial the upgrade solution.

## Retrofit solutions

A retrofit offers the option to migrate the controller and the complete excitation system to an active product family. The availability of all types of features and services are advantages of this approach. The extremely flexible and powerful UNITROL 6000 is the optimal product for large applications and technically more demanding solutions. By considering a retrofit, the risks associated with equipment approaching the obsolete phase are substantially reduced. Features associated with equipment in the active phase can be offered.

## Performance Review

ABB's Performance Review for UNITROL products identifies all elements of an excitation system suffering from aging and proposed a preventive maintenance regime. In addition, all available spare parts are assessed and complementary spares are recommended. To ensure the correct and safe operation of the system, all critical protection devices and system settings in various operating conditions are tested. The Performance Review program identifies possible improvements to increase the overall performance of a system such as upgrades, retrofit or replacement. Performance Review benefits can be optimized through:

- Closed loop testing with real time-transient simulation
- On-site maintenance and operation instructions



## Spare parts management

Some circuit boards may be coming to the end of their useful life and component scarcity may hinder any replacements being available. It is important that UNITROL P users are aware of which spare parts are affected. Please contact your local ABB office today for a spare parts list.

For more information please contact:

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