Lifecycle Information Services

Industry Services

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Lifecycle Information Services
The challange

Modern plant owners have two great challenges:
the availability of the automation system
and protection of their investment. This is also
reflected in recommendations NE121 of
NAMUR AK 2.11.

**The following topics play a key role in lifecycle
management:**

- Identical functionality on innovated, updatable
  platforms

- Pre-specification of upgrade/update cycles
  (migration steps)

- Appropriate measures for avoiding functional
  obsolescence

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Lifecycle Information Services
The challange

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The fulfillment of these requirements is based on following:

- Regular provision of up-to-date and detailed information on the product lifecycle

- Recommendations for action

- System-specific services

Components of an automation system are normally being used for a very long time during its lifecycle. Thus it is important to proactively manage it's lifecycle. Information regarding e.g. spare parts availability are here one of the most important planning criteria.

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Lifecycle Information Services
The challange

Lifecycle Information Services provide you with an important basic module that meets all your requirements.
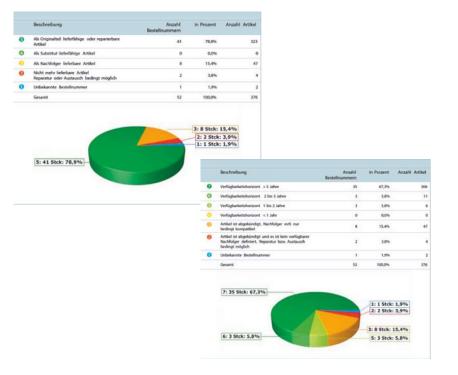
You also receive decision-making aids for further plant-specific services and input for optimizing maintenance strategies.

These are just some of the ways that Lifecycle Information Services help you make the follow-up costs of your initial investment more transparent predictable.

Each module of the Lifecycle Information Services has an own system report.
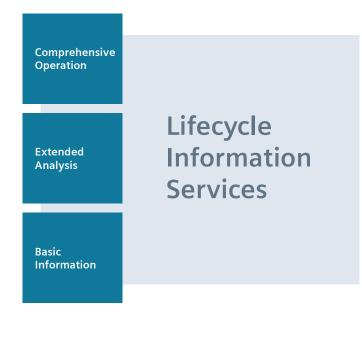
Lifecycle Information Services
The solution

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Comprehensive
Operation

Extended
Analysis

Basic
Information
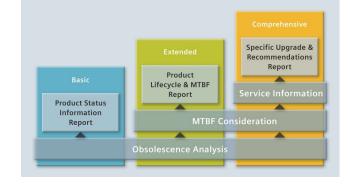
Lifecycle
Information
Services

The Lifecycle Information Services portfolio is modular in structure and enables you to selectively download the information you need.

Each module delivers an own plant-specific report.

Decide for yourself how comprehensive you want this report to be by choosing from three different modules:
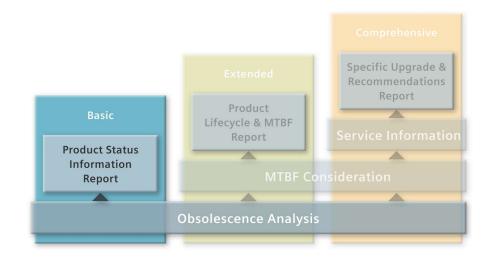Basic, Extended and Comprehensive.

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Lifecycle Information Services
Module "Basic"

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Basic Information

The Basic-Module shows the general product lifecycle status. The emphasis here is on analyzing functional obsolescence.

The Basic report comprises:

- Obsolescence overview of Siemens and other products, the number of critical parts, and a list of unknown and third-party products

- Number of components available for delivery as original part, successor part, or other type

- Information on repair ability

- Measures and recommendations on serviceability and availability of spare parts

The Basic module provides a general overview of the lifecycle status of your products
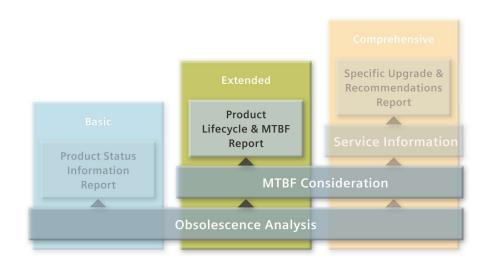
Lifecycle Information Services
Module "Extended Analysis"

Extended Analysis

The Extended service module contains the Basic module as well as an analysis of the product-specific mean-time between failures (MTBF).

The Extended report comprises:

- Availability and risk analyses based on the MTBF

- Determination of the MTBF value already achieved

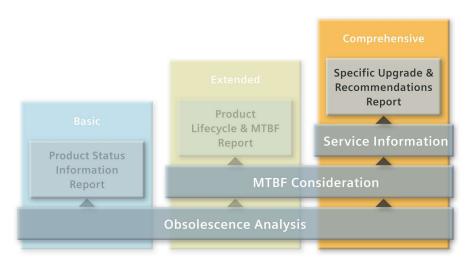- Detailed MTBF report per item that marks components with an MTBF value of over 80 percent

The Extended module contains the Basic module and provides information about the mean time between failures (MTBF)

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Module "Comprehensive Operation"

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Comprehensive Operation

The Comprehensive service module contains the Extended module and additional plant-specific information on upgrades/updates and relevant services.

The Comprehensive report comprises:
- Product and version history with current status of the actual components
- Detailed information on documents, diagnoses and relevant services
- Technical analysis of critical components with recommendations for further action
- Reference to service information under the headings: Applications and Tools, Firmware, Downloads, FAQs, and Latest News
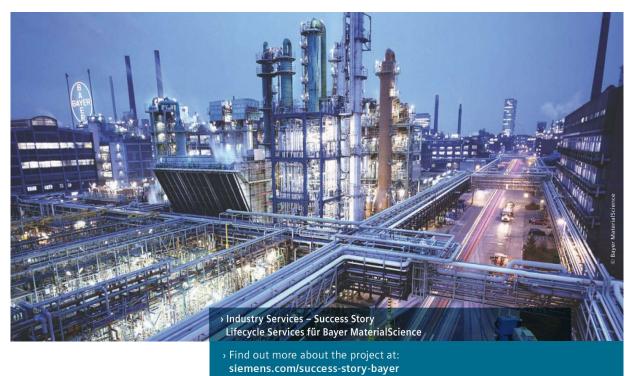

The Comprehensive module contains the Basic and Extended modules and provides additional information on downloads and updates

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Lifecycle Information Services
Potentials

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› Industry Services – Success Story
Lifecycle Services für Bayer MaterialScience

› Find out more about the project at:
siemens.com/success-story-bayer

"On average, our plants shut down once every five years. We need clearly defined procedures for service processes so that everything runs smoothly when the occasion demands. The service agreement provides a good basis for this as well."
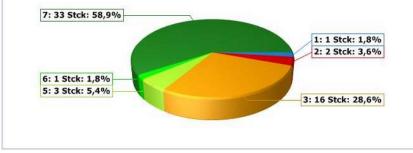
Ward Beullens, head of System Technology Bayer MaterialScience (BMS) in Leverkusen, Germany

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Example : EXTENDED analysis report

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	Description	Number of order numbers	As a percentage	Number of items
7	Availability horizon > 5 years	33	58,9%	131
6	Availability horizon 2 to 5 years	1	1,8%	4
5	Availability horizon 1 to 2 years	3	5,4%	6
4	Availability horizon < 1 year	0	0,0%	0
3	Item has been totally discontinued, or successor only conditionally compatible	16	28,6%	1.661
2	Item has been discontinued and no successor has been defined; repair or replacement may be possible to a limited extent	2	3,6%	4
1	Unknown order number	1	1,8%	2
	Total	56	100,0%	1.808

7: 33 Stck: 58,9%
1: 1 Stck: 1,8%
2: 2 Stck: 3,6%
6: 1 Stck: 1,8%
5: 3 Stck: 5,4%
3: 16 Stck: 28,6%

Generation and technical evaluation of a product-specific plant report for all Siemens automation components in the customer's plant

- Report with initial situation and consistency check (identified Siemens components)

- Report with product lifecycle information
  - Current availability / deliverability
  - Product lifecycle prognosis
  - Repair codes and their meanings

- MTBF analysis

- Recommendations for further steps to be taken
  - Recommended measures pertaining to the product lifecycle and/or MTBF

- Other possible services

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Customer Benefits

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Your advantages at a glance

- Regular proactive service information prevents rising maintenance costs

- Plant availability optimized thanks to specific service recommendations

- Risk of functional obsolescence reduced to a minimum

- Avoidance of unscheduled downtimes and cost-intensive supply bottlenecks

- Utilization of new technological functions

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