



CMIS

Certus Management Information System™

 **Electrolux**

ELECTROLUX LAUNDRY SYSTEMS

How to fine-tune for maximum profits and efficiency

“Minimise costs, maximise uptime, and show a job well done”: These three goals top any laundry professional’s wish list. The easy-to-use Certus Management Information System™ — CMIS — software helps you achieve them.

To minimise costs you first need key operating statistics. To maximise uptime you need to plan for scheduled servicing. To show a job well done, you need proof that you’ve met your customers’ standards. This is where the easy-to-use CMIS software from Electrolux comes in. CMIS gives you vital statistics from your laundry equipment. You can then use the data to identify and remove any wastage, thereby minimising costs. CMIS also alerts you to process errors and logs maintenance work, thereby maximising uptime. In addition, CMIS provides process validation and proof of compliance, thereby proving you meet customers’ demands or governmental regulations.

In short, CMIS lets you fine-tune your laundry for maximum profitability—while at the same time securing quality results and your professional reputation.

Statistics

CMIS provides a complete range of vital statistics on all key process parameters in your laundry. Just as important, CMIS presents these statistics in an easy-to-understand graphical format on your PC screen. All statistical feedback can easily be transferred into computer programmes such as Microsoft Excel.

With CMIS, you get the following statistics (varies by washer/dryer/ironer):

- Running hours
- Idle time
- Garment weight (with IWS)*
- Water consumption and level
- Detergent consumption
- Energy consumption
- Temperatures (set and actual)
- Heating activation
- Residual moisture (set and actual)
- RPM drum
- Piece count (ironers)

You can also request more detailed statistics. For example, when examining your machines’ running hours, you can see how long particular machines were idle over specific time periods. You can also see which programmes were used in which machines and for how long.

You can install CMIS in up to 30 machines in one location

This means you can examine and optimise the performance of a network of washer-extractors, tumble dryers and ironers — from the smallest on-premise laundry to large commercial laundries.

*IWS Integrated Weighing System is an option on high-spin washer-extractors. The actual weight of the wash load is displayed on the Clarus Control panel as the drum is being loaded.

Making a difference every day

CMIS as a quality assurance tool

“We installed CMIS because we wanted a quality assurance tool that also helps us meet our efficiency and productivity goals,” explains Roger Messenger, Laundry Manager for the London Hilton Hotel. “Now we can monitor the process to ensure top results with every load. What’s more, the statistics function allows us to pinpoint areas of improvement in terms of water, energy and detergent consumption. For us, this means reduced operational costs. CMIS also alerts our staff to errors and gives us new opportunities for preventive maintenance.”



Overlooking Hyde Park, the London Hilton Hotel on Park Lane offers 450 rooms and banqueting facilities that accommodate 3,000 guests. This luxury hotel also boasts an impressive, and very busy, laundry operation.



Meeting today’s stringent hygiene standards for health care laundries is a top priority at Kantarellen, a centre for elderly care and rehabilitation in Norway. Here too, CMIS is making a difference — every day — in preventing nosocomial infection.

No room for compromising on hygiene

“The sick and elderly are particularly susceptible to infection. This is why we must do all we can to minimise the risk of bacterial contamination in processed clothes and bed linens,” explains the Laundry Manager at Kantarellen. “With CMIS, we can control and monitor each wash process — ensuring the correct water level, temperature and time. CMIS also gives us documentation certifying that we have fully complied with hygiene requirements. In our laundry operation, there is simply no room for compromise.”

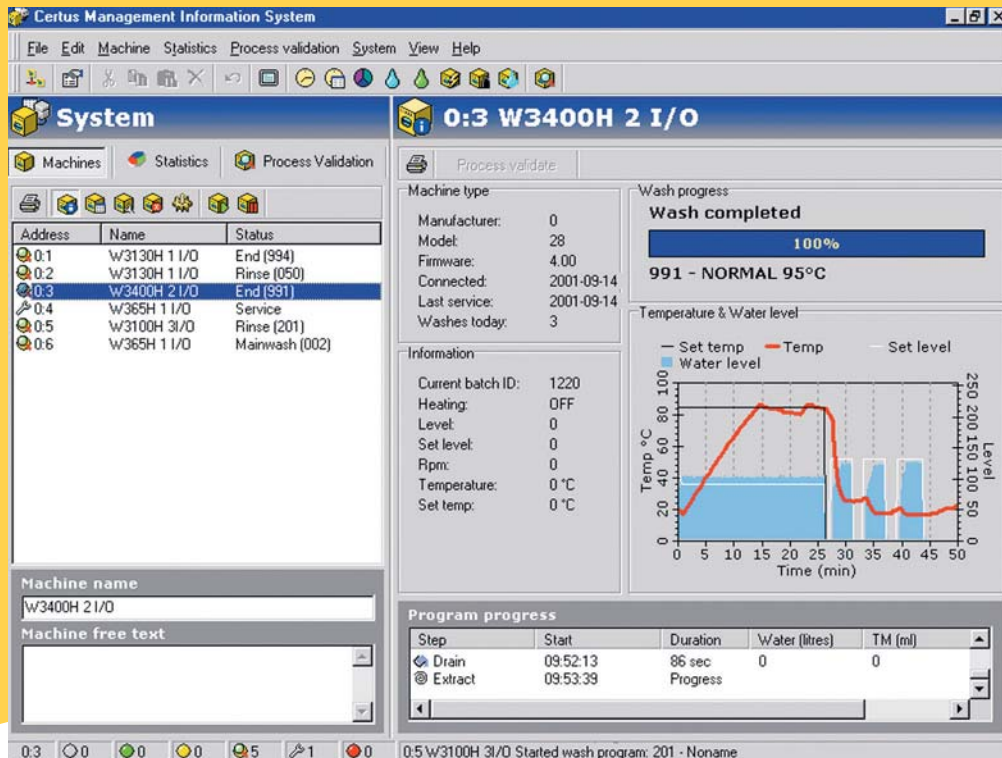
Revenue improved up to 15 percent

“It is easy to follow each stage of the process and measure production efficiency and, thereby, costs,” explains Lennart Jaldin, owner and president at Göteborg Tvätt AB. “With CMIS, we are able to identify ways to compress the wash programmes to shorten total wash times, while maintaining the same quality results. As a result, we are able to run an extra wash per machine every day. Our revenue increased by 10-15 percent without any new investments”.



For Göteborgs Tvätt AB, Sweden, CMIS has been a very smart investment. Established in 1949, this family-run business processes two tons of laundry daily for engineering companies, hotels, conference centers and restaurants.

Process validation and compliance —CMIS proves a job well done!



Vital statistics appear directly on your PC monitor. You can then use this data to find any wastage or inefficiencies in the wash process. And using the system is easy. Start at your own pace and progress to more detailed applications.

Export data to spreadsheets for detailed financial analysis and ongoing cost control.

You know you've done a good job. You know you've laundered to the customer's specifications. So what do you do if a customer complains?

Up until now your options have been limited. You had no independent verification that the laundry process was successfully carried out in line with a customer's demands. CMIS changes all that, because CMIS creates a detailed record for every batch processed in your equipment. This record, or receipt, identifies the batch as well as the machine and programme used in the wash process.

The receipt also lists maximum and minimum temperatures, the duration of the requested temperatures, residual moisture content (with IWS) and the date and time of the wash.

CMIS process validation does more than objectively settle customer inquiries. It is also a highly effective, yet inexpensive, marketing tool. You can now attract new customers who require process validation. Process validation in turn enhances customers' perception of your laundry as a professional operation committed to quality service.

Can you meet the hygiene challenge?

More and more laundries are having to comply with stringent hygiene regulations. This is particularly true for laundries serving industries such as food processing, electronics, optics, health care, pharmaceuticals and biotechnology. In fact, any sector that requires clean room and/or controlled environments is facing tougher regulations.

A key requirement of these regulations is validation. Laundries must prove their wash processes meet certain minimum requirements. CMIS, by giving you valuable control tools, is a cost-effective way to prove you comply with these standards.

Electrolux Laundry Systems offers a full range of specialised laundry equipment for cleanroom and hygienic laundry applications, in addition to the world's finest washer-extractors, tumble dryers, and ironers for hospitals, hotels, nursing homes and all commercial and institutional applications.

One receipt says it all!

The CMIS receipt function leaves no room for doubt. It is proof that you have processed laundry to customers' specifications. The receipts are credible because they are not produced by you. Instead, they are based solely on data delivered from your Electrolux laundry equipment.

Customers know and trust Electrolux, and a CMIS receipt with the Electrolux Laundry Systems brand enhances the professionalism and image of integrity of your business.



Meeting the RABC standard

Verification of the laundry process is fast becoming a legal requirement in many countries. The European Union, for example, has implemented a new standard, EN 14065, Risk Analysis and Biocontamination Control (RABC).

The standard demands verification of the process for laundries within the food-processing, health care and pharmaceutical industries. RABC also covers all operations that require hygienic or clean room standards. CMIS is a cost-effective way to comply with RABC standards while improving the efficiency and profitability of your business.

ELS reserves the right to make modifications to equipment specifications consistent with ongoing product development. Model availability varies by country. Please confirm specifications and availability with local ELS representative or headquarters.

Maximise equipment uptime



Electrolux personnel install CMIS in your laundry. It can be specified when you order equipment or retrofitted into many of our products.

One of the most obvious ways to boost a laundry's profitability is to maximise equipment uptime. This is easier said than done in today's hectic laundry environments.

For a start, it can be difficult to keep track of previous maintenance work. Minor technical glitches and operator errors may also cause equipment shutdowns — costly downtime that can often be avoided by prompt on-the-spot action.

CMIS helps you maximise uptime in three ways

- CMIS keeps a complete log of all maintenance work performed on the machine. The logged maintenance statistics tell you what was done to the machine, when, and by whom.
- CMIS alerts you to minor problems and/or human errors. But more importantly, you automatically receive messages on your PC suggesting ways to solve these problems.
- With CMIS you also have access to alarm statistics, which show the five previous error codes. CMIS explains the error codes and recommends corrective measures. This feature is especially useful when trying to see if you are dealing with human error by staff or an actual equipment error.

Easy to learn — easy to use

CMIS is designed for laundry professionals, not for computer experts. That is what makes the software so easy to use. It can deliver statistics from up to 30 machines in one laundry.



CMIS can be fitted to any Electrolux washer-extractor equipped with Clarus Control, dryers with Selecta Control and to IC350-series and IC448-series ironers. All you need to access and view the statistics is a PC.

Installing CMIS could not be easier — trained Electrolux personnel will do it for you. The actual machine downtime caused by installing CMIS is minimal, usually no more than a few minutes for each machine. Most laundries can be fully equipped with CMIS in less than one day.

CMIS was designed by laundry professionals for laundry professionals which is what makes it so user-friendly. In fact, only the most basic PC skills are required to start using the software. And our service personnel are available to help get you up and running quickly. You can use CMIS at your own pace. You can start with simple applications and then work your way up to more advanced uses. All the data provided by CMIS can easily be transferred to other computer programmes such as Microsoft Excel spreadsheets.

Total laundry solutions

Electrolux Laundry Systems, part of the Electrolux Group, is a leading supplier of professional laundry solutions worldwide. With a comprehensive service offering and a complete range of equipment, Electrolux Laundry Systems tailor solutions to the specific needs of individual laundries — from the laundries of apartment houses, hotels and healthcare institutions to coin-operated laundrettes and commercial laundry operations.

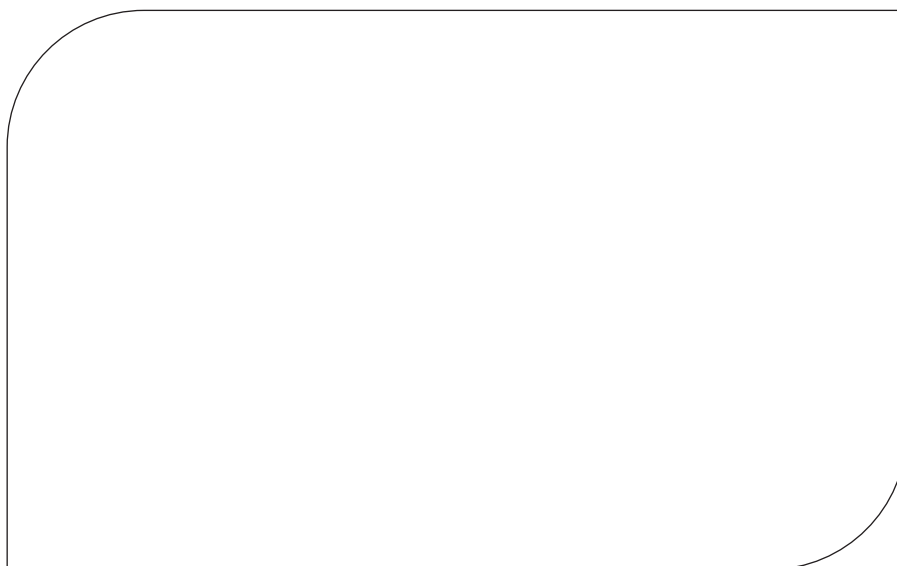
The company has three manufacturing entities in Denmark, France and Sweden. The headquarters is located in Denmark and the equipment is sold under the brand name of Electrolux.

Backed by long experience and deep process know-how, the equipment is designed and built to high quality and safety standards and with respect for the environment. That's why Electrolux Laundry Systems is certified according to ISO 9001 and ISO 14001 standards.

Customers around the world are served by 23 national sales companies and a network of 120 importers.

 **The Electrolux Group.** *The world's No.1 choice.*

The Electrolux Group is the world's largest producer of powered appliances for kitchen, cleaning and outdoor use. More than 55 million Electrolux Group products (such as refrigerators, cookers, washing machines, vacuum cleaners, chain saws and lawn mowers) are sold each year to a value of approx. USD 14 billion in more than 150 countries around the world.



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