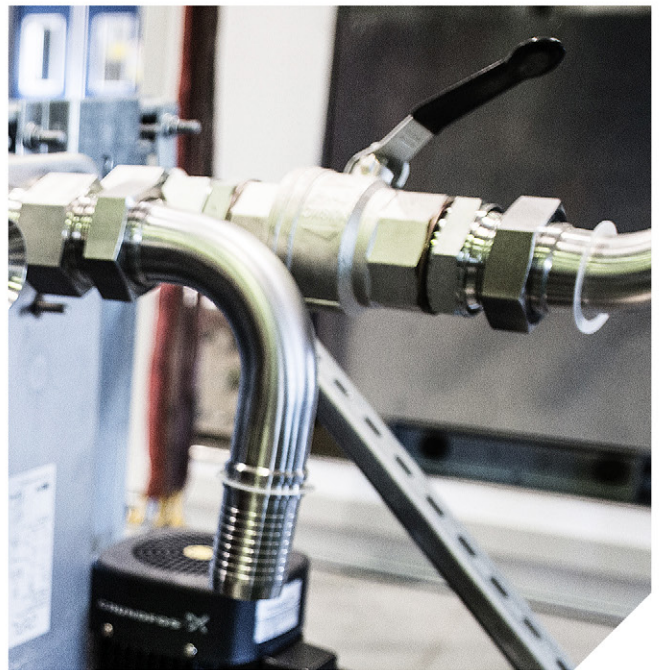


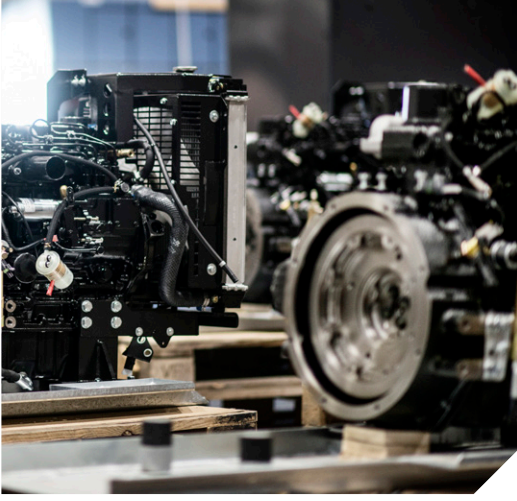


# Critical Power

Uninterruptible power and emergency power







# Coromatic is market leader in uninterruptible power and emergency power

Critical Power is a collective name for systems that guarantee uninterruptible and seamless power delivery, which is crucial if operations are to run smoothly in the long term. The field of Critical Power has also become more important with the rapid digital trend and the need for a reliable supply of electricity. Today, we can see that more functions are business-critical, which has raised the priority given to the issue of power supply and emergency power.

## Extensive experience

Coromatic is a comprehensive supplier in the field of power supply, which includes uninterruptible power (UPS) and emergency power. In real terms, this means we offer everything from design and construction to documentation, commissioning and service.

Naturally, we can also provide individual product solutions. However, our offering within Critical Power is characterized by the delivery quality resulting from our long experience and high level of technical expertise.

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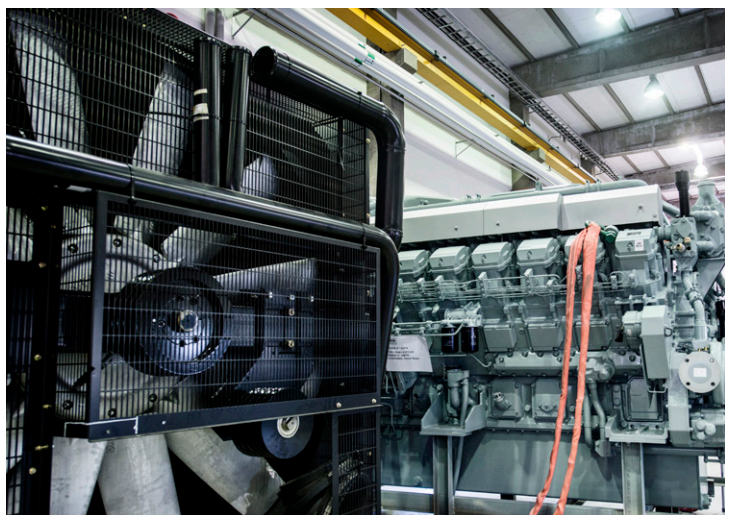
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## Emergency power for different needs

All operations are different, which is why emergency power solutions must naturally be adapted on the basis of current requirements and conditions, but also over time. The optimal solution is individual. Emergency power can be viewed as an insurance against power outages and must be adapted to suit both risks and capacity needs. Below, there is a brief description of various types of customized solutions that we can deliver for different needs.





Stationary-installed emergency power system



Stationary emergency power generator

### Stationary-installed emergency power system

We design complete solutions based on the specific needs of the customer and also design all peripheral systems, such as systems for fuel, cooling and not least control and distribution of emergency power. It is normal at large facilities that several generators are operated in parallel, partly to meet the power requirement, but also to increase redundancy and reliability in the facility.

### Stationary emergency power generator

Coromatic's emergency power generators are always adapted to the special needs of our customers. This is why we do not purchase complete generators, but instead build them ourselves to achieve correctly dimensioned functionality for motors and generators that we then assemble together with our proprietary portal frames, tanks and other peripheral systems. As an independent supplier, we can always ensure that the specific needs of the customer are what steer the choice of components used, not availability from a single supplier.

### Mobile generating stations and generators

Mobile generating stations can be used for both rapid response during service interruptions or during scheduled maintenance work, though also as primary power when necessary. We have for some time worked together with our customers to create a working method that is specially adapted for the needs faced by network owners in the Nordic region. The generators are both lightweight and easy to move, and also have the lowest sound level on the market. A galvanized chassis and the C4 corrosion protection class are standard and ensure the generators have a long service life.







### **Modular prefabricated emergency power systems**

Coromatic has developed a concept where we customize modular, prefabricated data centers and emergency power systems. We design these based on the needs of each customer and the preconditions of the location for the final assembly of the system. Regardless of whether this will be Rwanda, Nepal or some other location.

### **Container-mounted emergency power**

Demand for container-built emergency power systems has grown as it is not always possible to solve emergency power needs within the framework of existing premises. Coromatic makes everything from 20-foot containers as a standard design to highly specialized 40-foot containers including, for example, sand filters, pitched roofs, wood panels, switchgear, UPS and separate control rooms.

### **Emergency power for film and TV**

Live broadcasts of TV events, filming or major events make particular demands on emergency power, where both low-noise and high capacity must be supplied at the same time in order not to spoil or impact on the audience experience. Coromatic offers Golden Silence, which is adapted to meet these specific requirements, with a sound level of only 61 to 63 dBA and up to 700 kVA prime power. We can also provide our generators from the Movie Super Silent series, where the sound level is an exceptionally low 56 dBA within a radius of three meters.



Container-mounted emergency power



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# Emergency power for harsh environments, telecom.

Today, rugged terrain or a difficult climate cannot obstruct access to services via the telecom network. Coromatic has therefore developed specially adapted equipment, Flexipower, which guarantees operations in exposed environments. The equipment has, for example, special legs to raise it above the terrain and is fitted with snow guards. Our proprietary monitoring system ensures that the generator can be remotely monitored and provide, thereby, high availability.





# UPS system

We have specialist expertise within product areas including UPS, power supply, batteries and current inverters. To meet the various requirements of our customers, Coromatic is in partnership with a number of the leading suppliers in these fields.

Coromatic supplies UPS systems (Uninterruptible Power Supply) from the smallest systems, for a few computers, to the most complex solutions. We supply uninterruptible power for everything from data centers and telecommunications centers to industrial and marine applications, hospitals, and emergency lighting. Quite simply, environments that must always be running.

## Uninterruptible power for data centers

The data center market is expanding rapidly in Sweden and in terms of design we have noted an increase in modular, scalable and flexible solutions. Engineering design is characterized by the obvious requirements for security, and also by a strong focus on cost and energy efficiency. All in order to both take responsibility for the environment and save money. We have energy-efficient solutions for uninterruptible power and have extensive experience of installations in data center environments.

## Uninterruptible power for communication nodes – ICT

Today, we send more data than ever and everything must move faster. The development of PoE (Power

over Ethernet) and increasingly intelligent networks in turn makes higher demands on availability. In addition, there are regulatory requirements for availability in these systems from the Swedish Post and Telecom Authority (PTS). Secure power supply has become an even more important part of these systems. We have experience of supplying UPS to individual communications towers or to complete communication nodes for Metropolitan Area Networks and properties.

## Uninterruptible power to industry

Industry has many different voltage levels and electrical systems, ranging from TN-S and TN-C to systems without a neutral conductor. The industrial environment is often hard on electronics, with dust, vibrations and interference. We have robust UPS systems adapted to these needs, and have many years of experience in implementing uninterruptible power in industry.

## Uninterruptible power for healthcare

High standards are required for the security and availability of the electrical supply to the various mission-critical systems in a hospital. Within the new digital healthcare environment, IT provides the bridge between medical staff and patient data stored on servers in the data center.

The increased use of high-tech in healthcare means a power outage could have serious consequences leading to a deterioration in patient security, a loss of patient data and damage to diagnostic images. It is therefore important to provide these applications with flexible, compact and reliable UPS solutions. Coromatic has long experience of uninterruptible power in hospital environments and has delivered to most county councils in Sweden.

## Uninterruptible power for the rail network

Population growth, rapid urbanization and sustainable development are all factors that drive rising demand for rail transport. Continued investments are necessary to optimize rail infrastructure to reduce operating costs and improve traffic capacity and the overall quality of the rail network.

We have specially adapted systems for rail applications, including outdoor UPS and UPS that can be fed from the contact wire (16.7 Hz). Over the past five years, we have delivered numerous UPS systems to the Swedish rail network via our framework agreement with the Swedish Transport Administration that includes both UPS and emergency power.





### Modular UPS systems

Demands are increasing on UPS systems, in terms of redundancy, availability and scalability, which makes modular UPS systems highly interesting. Previously, this was primarily in IT and data centers but interest is now also growing in other segments, such as industry, healthcare and rail.

A modular UPS system has the following advantages and opportunities:

- Adaptable capacity based on changing power requirements over time.
- Compact system with redundancy (only one chassis).
- Short time from fault to corrective action, no fault diagnosis or repairs on site.

### Proximity to service

Service is today at least as important a part of our deliveries as design, construction and installation. Coromatic's service technicians are always certified according to the latest industry standards. With our geographical coverage, we can also always deploy rapidly when needed.

### Coromatic, a secure choice

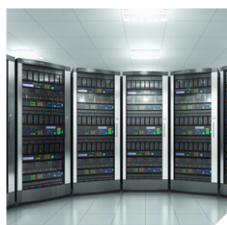
Regardless of the scope, we at Coromatic can guarantee a delivery of a solution that takes into account the demands and needs of the entire operation for uninterruptible power, power supply and emergency power. It is the sum of the parts that make the whole, and we always guarantee a product or solution that takes into account all of the parts, both today and in the future.

### About Coromatic

Coromatic is the leading supplier of critical facilities solutions, for example data centers. We guarantee the availability of power supply and data communication and enable companies and organizations to run their operations without interruptions.

Coromatic has a unique and comprehensive service offering, and we take full responsibility from strategy and design to the integration, maintenance and operation of business-critical infrastructure. Our expertise includes energy-efficient comprehensive solutions for power, cooling, networks, data communication and security.

**For more information about how your operations can optimize and secure power supply to critical facilities, contact Coromatic on +46 8 564 605 90.**





Find more information on **coromatic.com**

Over **500** employees

Number **1** in the Nordics

Delivery to more than **50%** of the largest Nordic corporations

More than **1,000** critical facilities projects delivered

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Coromatic secure availability of power and data communications for mission- critical functions. We are here 24/7 for our customers to ensure high availability and productivity in facilities, to save lives by securing operations without disruptions and to protect the environment by optimizing energy consumption.

