

# New!

## Power Engineering for drive systems



## Consume less, more efficiently and differently!

**O**ver ten years, 95% of the overall cost of a drive system consists of its electricity consumption. The purchase price and maintenance only represent 2% and 3% respectively. By being present at each stage in the life of a drive system, Leroy-Somer offers manufacturers the possibility of making substantial savings.

Reducing CO2 emissions, increasing machine efficiency, cutting electricity bills, implementing innovative solutions which comply with current regulations, are all current day-to-day concerns for the manufacturers of rotating machinery.

**Power Engineering for drive systems** developed by **Leroy-Somer** primarily constitutes an offer of solutions and services based on the skill and expertise of **Leroy-Somer's** teams and their mastery of a range of innovative, high-performance eco-technologies.

### Expertise

When the **Leroy-Somer** expert arrives on a site, his objective is clear: to cut energy costs. Our network of sales engineer experts identify possible sources, estimate potential savings and calculate the time it will take to achieve a return on investment. This is called **pre-diagnostics**.

Complementing this network, the service partner network consists of experts in energy efficiency, who run measurement exercises and demonstrate the actual savings made. This is called **diagnostics**.

Both these networks offer advice and, in close collaboration with the various participants, deal with investment grants on offer from governments.

## Expertise in eco-technologies

**Leroy-Somer** offers a wide range of technical solutions promoting energy efficiency and innovation:

- The use of **high-efficiency fixed-speed motors and geared motors** compliant with developments in standards and efficiency classes IE2 and IE3.
- The use of variable speed, which can adapt the motor speed to the application's actual requirements, has proved an even more important means of reducing energy bills. Manufacturers have a choice between **asynchronous variable speed solutions and Dyneo® synchronous magnet solutions** which offer particularly high efficiency levels, on top of other advantages such as their compact size, etc.
- **The systemic approach** is aimed at the manufacturer who is ready to address redesigning his machine. This approach takes account of the whole system and is ideal for innovative solutions, giving them a competitive advantage in terms of performance and cost.

## The answer to environmental challenges

The **power engineering** approach initiated by **Leroy-Somer** also takes account of the complete drive system life cycle. Analysis of the “**Life Cycle Cost**” starts **from the moment products are designed and the raw materials chosen** and ends with the setting up of **waste reclamation and recycling companies**.

Designing more compact products, for example, reduces the need for raw materials. In addition, since the early 1990s **Leroy-Somer** has implemented production techniques which reduce its environmental impact. All production sites are **certified ISO 14001**.

Ensuring a drive system has a long life cycle also means providing repairable solutions. **Leroy-Somer** can rely on a service partner network which is committed to carrying out **repairs without loss of efficiency**.

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