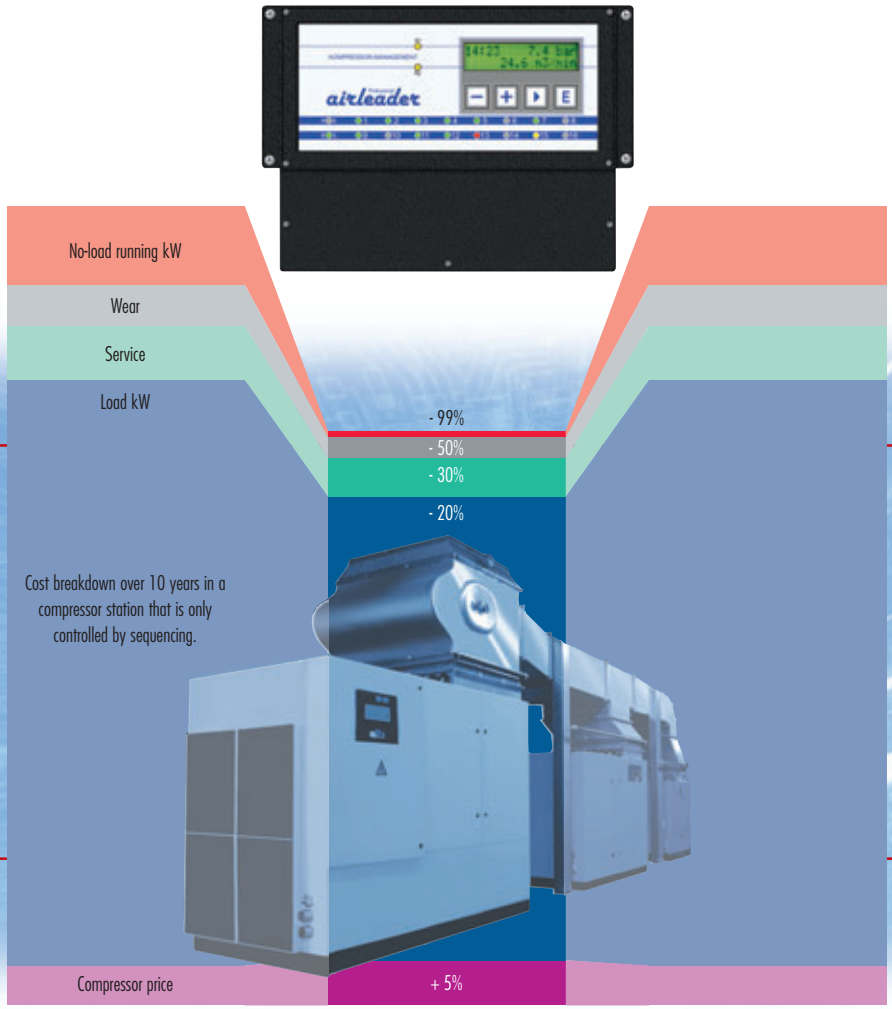
...this automatically reduces the costs of compressed air...



Professional airleader

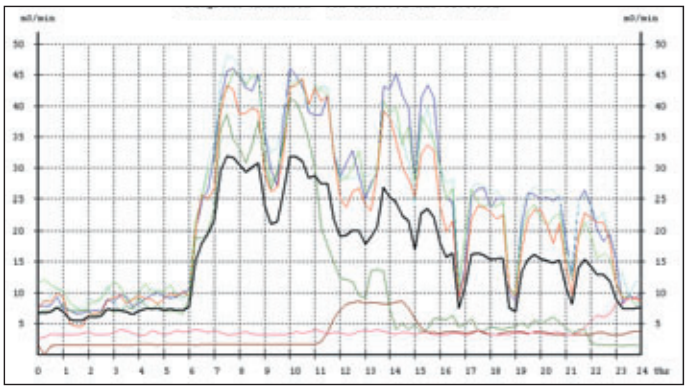
Compressor management

• Automatically optimised • self-learning • simple installation and operation •

WF STEUERUNGSTECHNIK

Everything runs optimally in production...

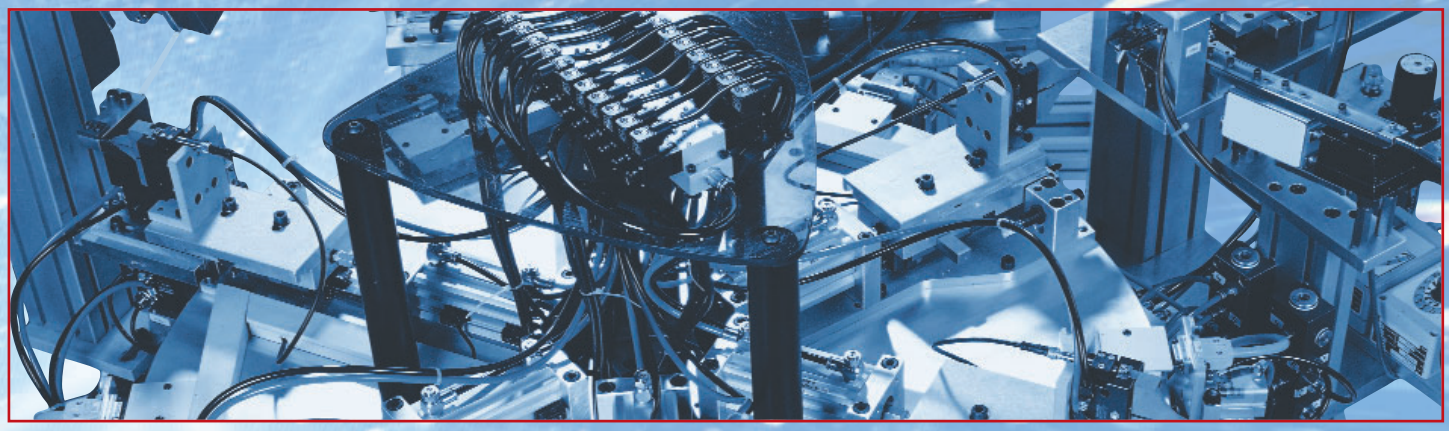
- process-controlled
- cost-optimised
- flexible



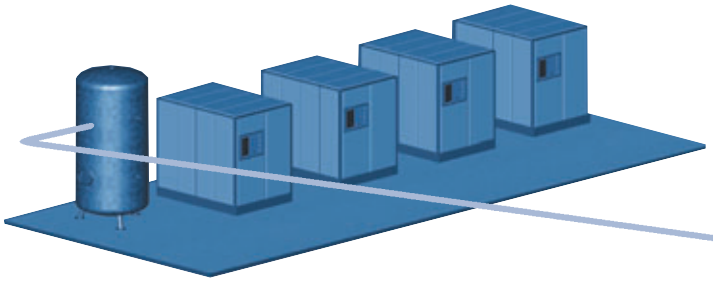
Your production process is running optimally. The machines and production units are fully utilised. Your products are manufactured in a flexible manner and at the lowest possible cost. The production process is reliably logged. You have a full monitoring overview of the production process at all times. Irregularities and errors are immediately identified. You can identify production key performance indicators at a glance and thus derive from it the benefits to your operations. In this way you can increase the economic efficiency and competitiveness of your company.

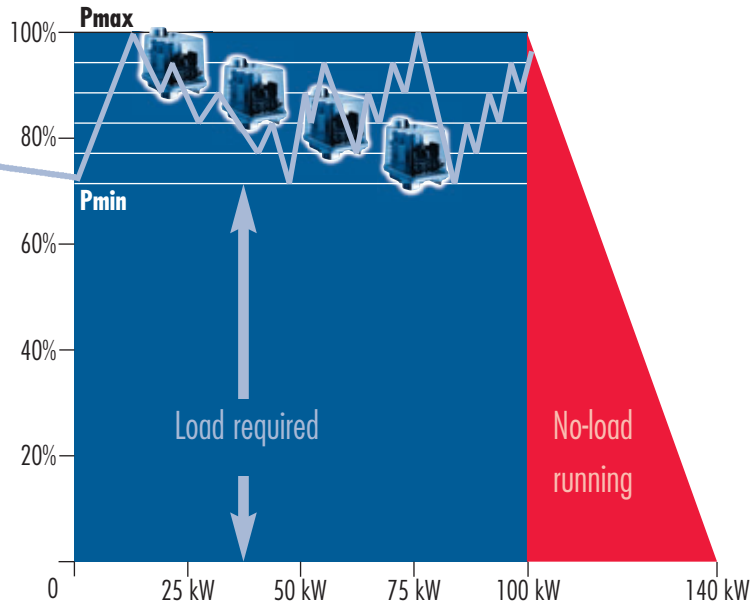
...while during the generation of compressed air...

- The compressors can only be switched in sequence
- The compressors are subject to exessive wear due to frequent changes in load
- Too much energy is wasted



As production is optimized, the greater the variations in the demand for compressed air. The savings realized in production, is lost in generation compressed air.

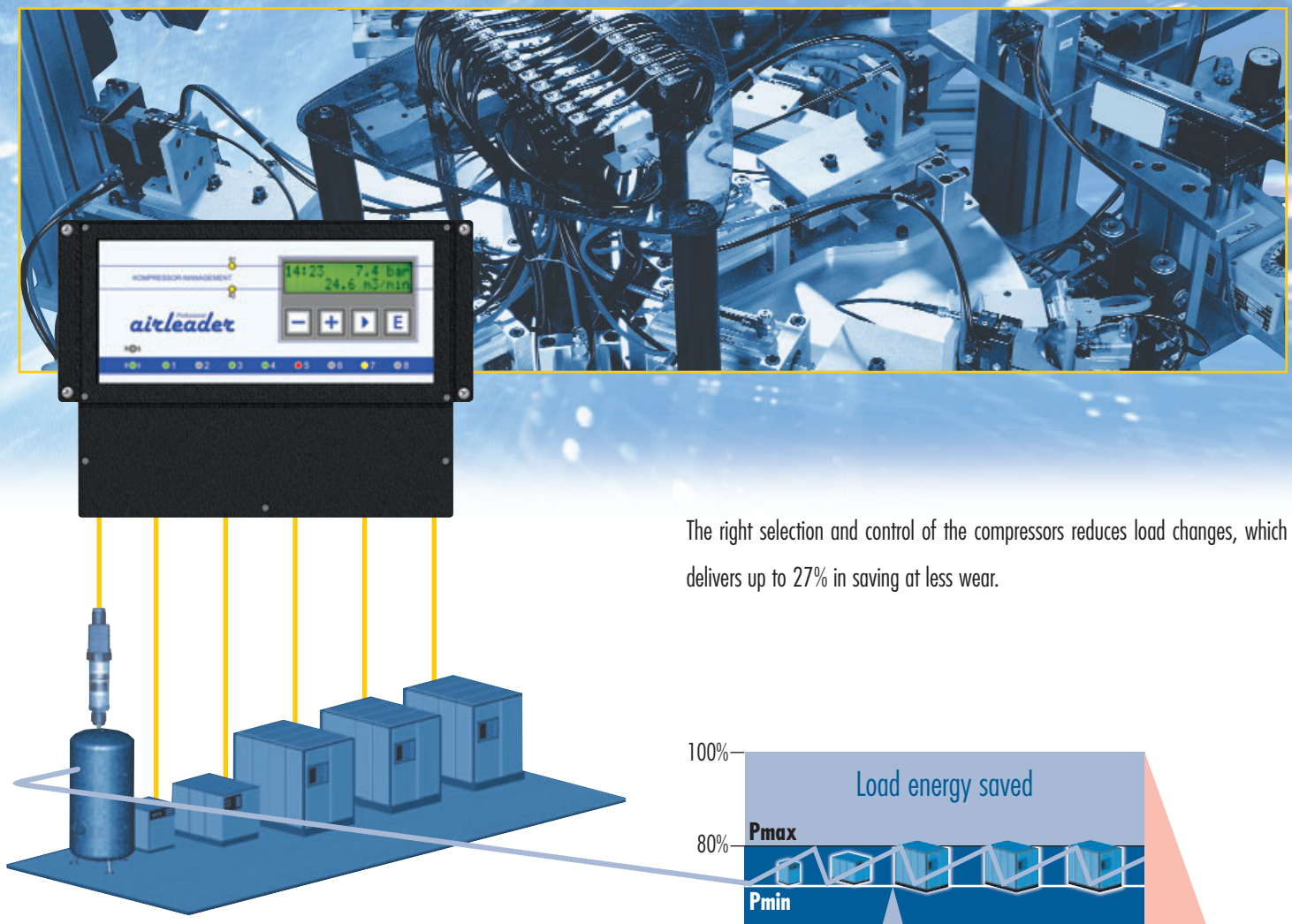




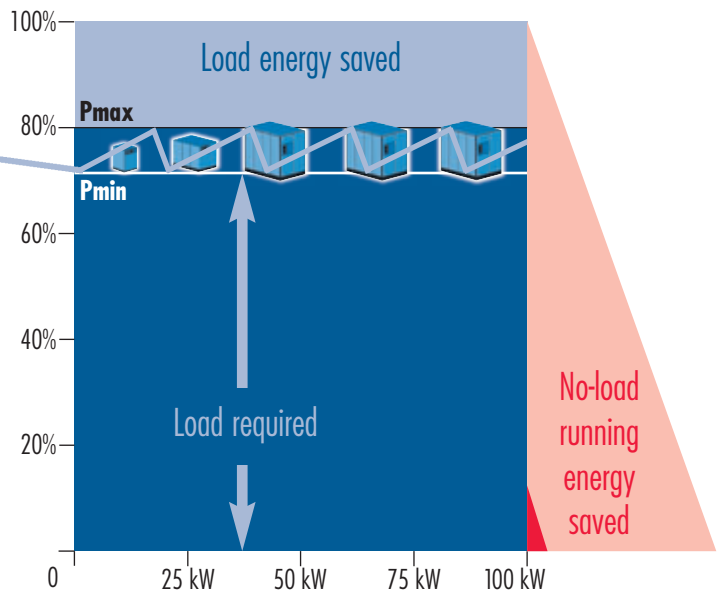
While everything is optimized for cost saving in production, the compressors in most compressed air stations are controlled according to fixed sequences. Manual pressure switches and simple electronic controllers are switched the compressors. The pressure in the network is significantly higher than required in production. This leads to high energy costs and excessive wear on the compressors due to frequent changes of load..

...while airleader Professional at the compressed air station...

- Controls the compressors flexibly according to the air consumption
- Holds constant the pressure in the network
- Reduced idle running by up to 99%



The right selection and control of the compressors reduces load changes, which delivers up to 27% in saving at less wear.



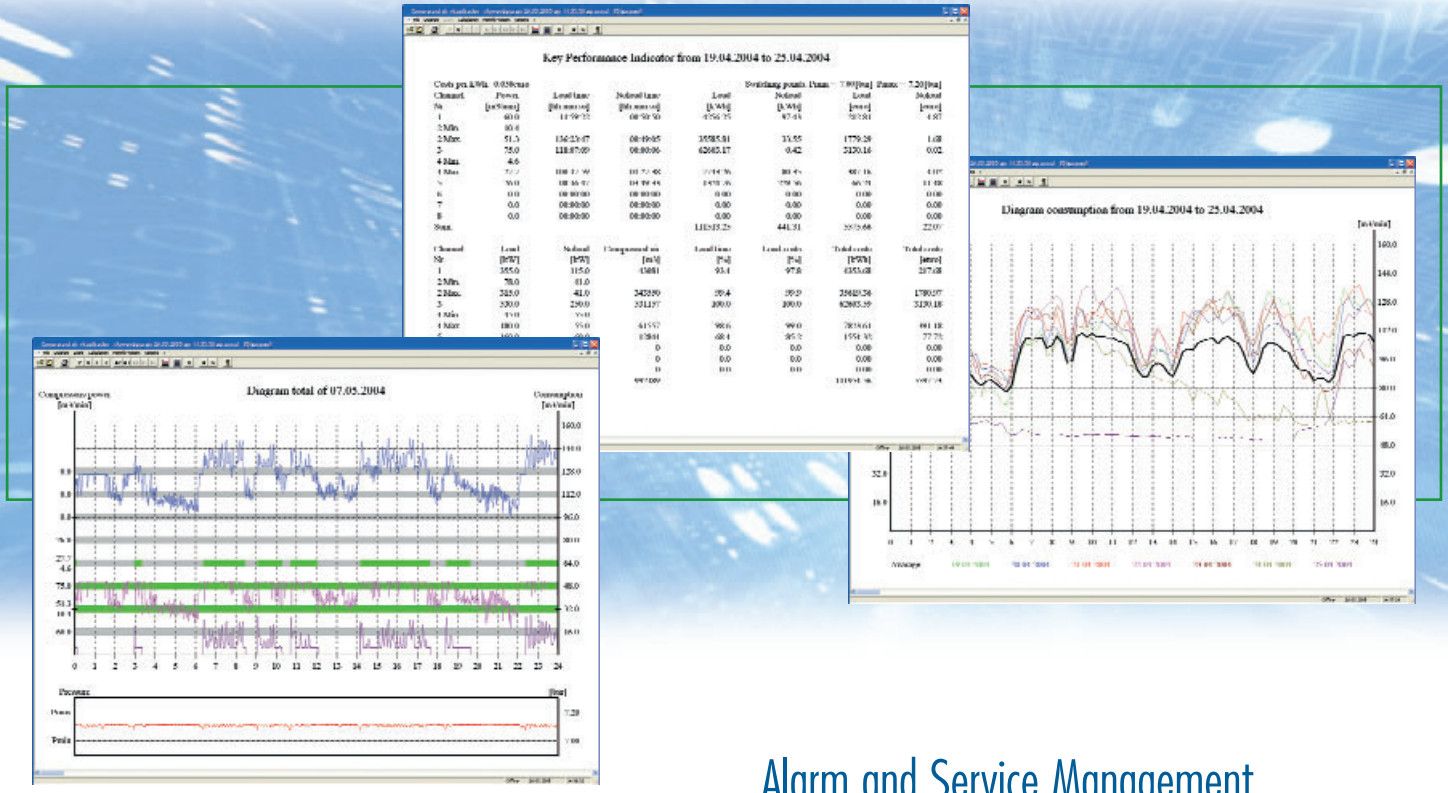
AIRLEADER, the control system for air compressors, provides an overview of production and transforms the economic efficiency of your company's compressed air system.

Different compressor capacities are utilised according to the consumption of compressed air and are also operated within a common pressure band. The network pressure matches the demand required in production.

...the costs of compressed air automatically reduced.

- ## Low investment costs
  for a range of different compressors sizes and the AIRLEADER compressor control system, instead of having all the compressors of the same size

- ## Means increased savings!
  Improvements are brought about in all areas of compressed air generation, since the compressors are switched as little as possible and therefore increase life and lower energy costs.



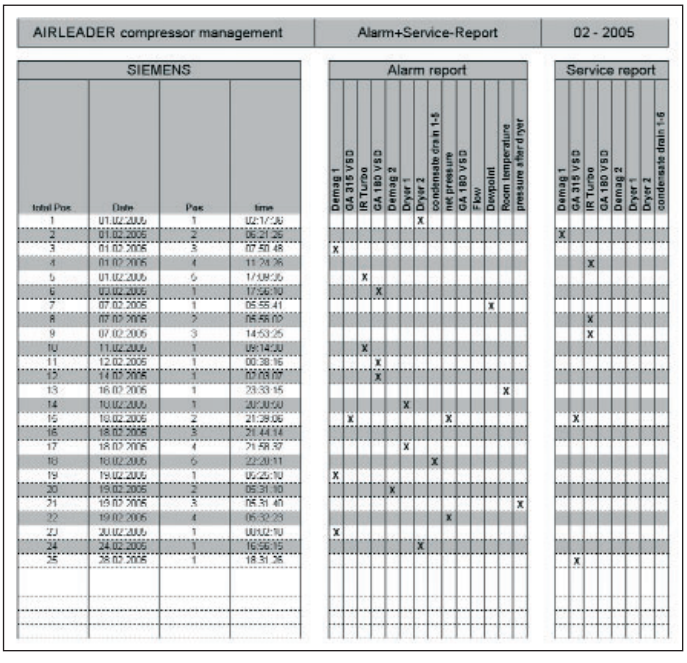
Visualisation of compressed air

The visualisation of the compressed air, shows the condition of the compressors such as load, motor running, fault report and compressor ready. Together with the indication of the actual consumption of compressed air and the pressure diagram, this program allows you to have an overview of your compressed air station with one look.

You can assure yourself of the correct automatic function of the compressor management system AIRLEADER at any time.

Accounts of energy consumption are possible for any freely selectable period. The Alarm and Service reports of the compressors and auxiliary engines are stored into the monthly alarm and service report. As an option, there is a communication module, that allows you to send SMS or e-mail of alarm or service message, to every desired address by using an Internet connection.

Alarm and Service Management

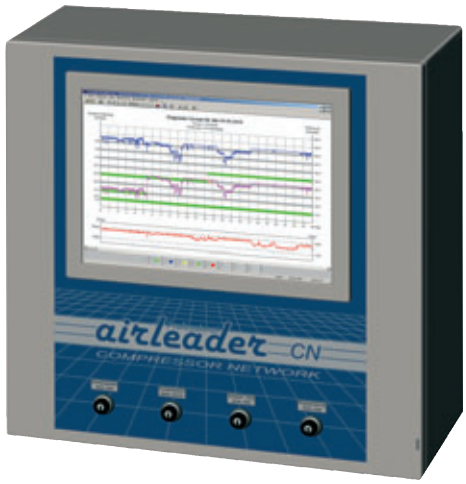


All AIRLEADER units supplied standard with:

- Pressure transducer 0-16 bar
- Shows compressed air consumption in display
- Compressor selection optimized according to compressed air consumption
- Programming control via key pad
- Only one pressure differential for all compressors
- Input for compressor error monitoring
- Input for compressor motor status
- Inputs for compressor operation status
- Manual compressor sequence option
- Remote ON/OFF function + RS 485 interface

Multifunction timer for:

- Compressors ON/OFF
- 3 switching sequences
- 3 pressure profiles
- Output to switch on ancilarry equipment



AIRLEADER CN (Compressor Network) and MASTER

The compressors are managed through RS-485 modules. Each module has two analogue inputs 4-20mAmp for measuring the current and the temperature as well as one analogue output for the predefined pressure value.

Up to 42 analogue inputs on AIRLEADER Master and up to 68 analogue inputs on AIRLEADER CN.

Technical Data	
Mains voltage	230V AC 50Hz
Compressor rating	0.1-200 m^3/min
Pressure range	0-16 bar
Minimum pressure differential	0.3 bar
Inputs and outputs	24V DC
Cable cutouts	M16 x 1.5

AIRLEADER	Controlled compressors	Compressor connections	3-colour LED for compressor status	Connection of a frequency-regulated compressor	Minimum pressure error message	Suitable for slave operation	Analog output compressed air consumption/pressure range
2	2	2	2	optional	optional	-	-
4	4	4	4	Yes	Yes	Yes	Yes
8	8	8	8	Yes	Yes	Yes	Yes
Master	16	over RS-485 Module	-	Yes	Yes	Yes	Yes
CN	32	over RS-485 Module	-	Yes	Yes	Yes	Yes

WF STEUERUNGSTECHNIK GMBH

Zeppelinstr. 7
75446 Wiernsheim
Tél. +49 (0) 7044 / 911 100
Fax +49 (0) 7044 / 57 17
E-Mail: airleader@t-online.de

Your technical consultant: