



**We put all our energy
into saving yours**

CG DRIVES & AUTOMATION

A part of Crompton Greaves



CG - a global specialist in the management and application of electrical energy focused on supporting the growing demand for a cleaner and energy efficient environment.

Transformers, Motors, Power distribution

Turnover of **1 billion USD**

3500 employees

50 countries

WE PUT ALL OUR ENERGY
INTO SAVING YOURS

This is Emotron – Our vision and mission

We are your preferred partner of energy efficient products and solutions. Devoted to green-tech innovation. Committed to quality and reliable services.

WE PUT ALL OUR ENERGY INTO SAVING YOURS!

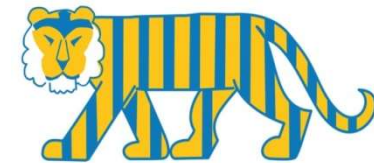
... thereby creating sustainable, energy efficient solutions together with our customers, based on:

Our **smarter** dedicated products

Our **faster**, reliable, quality deliveries

Our **leaner** approach to services in which we offer customization of products and proactive and integrated services

To achieve this mission we offer an inspiring empowering environment where we all deliver 100% passion into our products, solutions and services.



MADE IN SWEDEN | MAKE IN INDIA

This is Emotron – Our core values

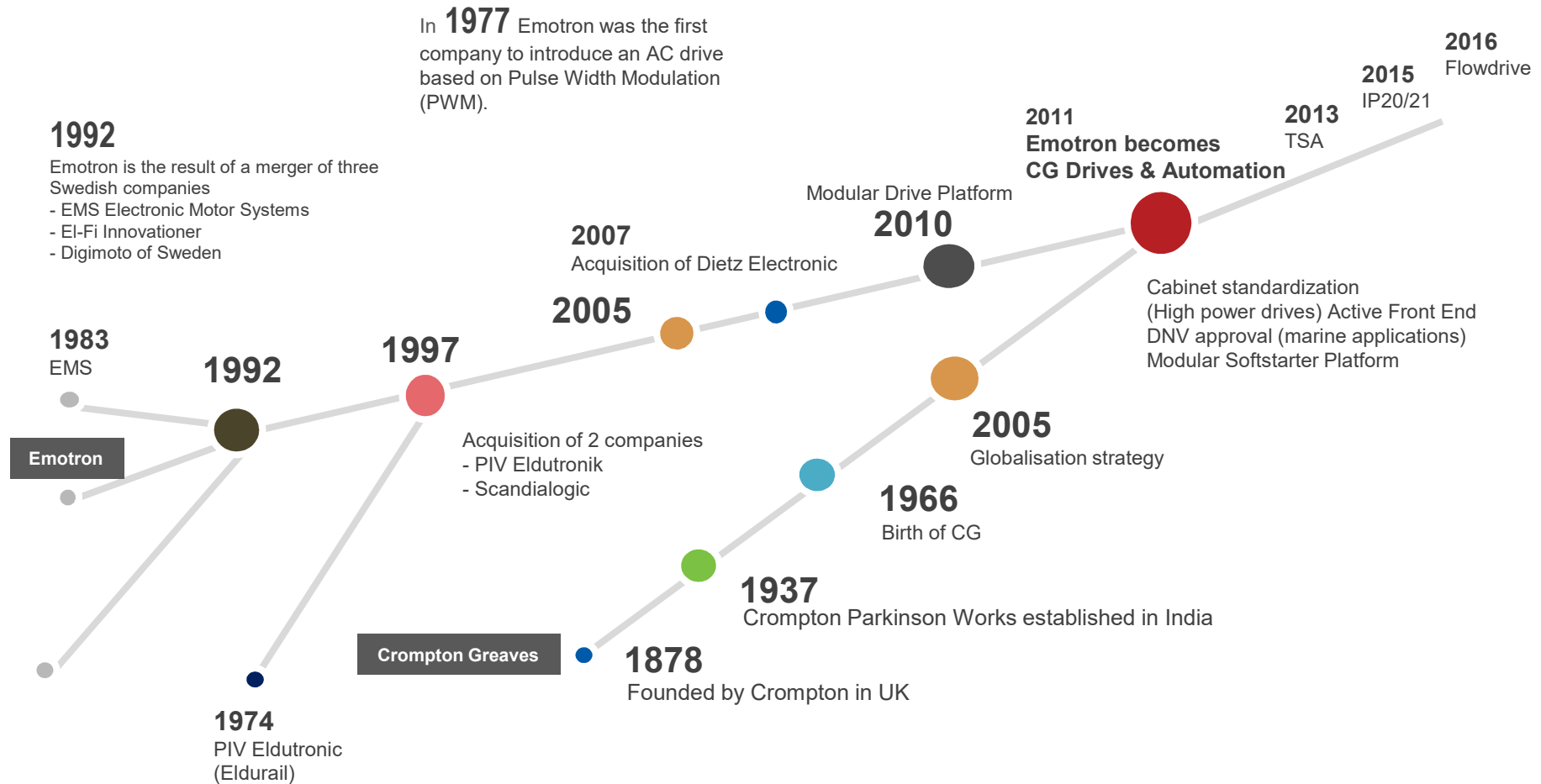


Integrity
in both personal and
professional relationships

Imagination
that drives our actions
to create a greentech
environment

Individual
a commitment to valuing
people and to work as a team

In perspective



Over **35 years**
experience in drive technology

This is Emotron – Robustness, precise control and connectivity

Application know-how

Innovative green tech

Direct torque control

Customer oriented services

High flexibility for project- and OEM solutions, branding

Genuine **robust and reliable** products for harsh environments

Easy to use and maximized **connectivity** which enable condition monitoring and proactive services

Complete portfolio of drives in IP20/IP54
(size 0.75 kW – 3MW)

Top class portfolio of softstarters (size 5.5 – 1800 kW)



This is Emotron – In the world



CHANNELS TO MARKET
End customers
System integrators
Distributors
OEM

200 Employees
Turnover of **500 MSEK**

2 Factories

- Head office and production in Helsingborg Sweden
- Sales, service and production in Mandideep India

4 Core markets

- Nordic, Germany, Netherlands and India
- Sales and service in Wernigerode Germany
- Sales and service in Bladel Netherlands

25 Authorized service partners

Partner network world wide with technical service capacity

80 Distributors world wide

Powering your world with robust and reliable solutions

INDUSTRIES

Water & Waste Water
Crane & Hoisting
Material handling
Marine
Heating & ventilation

APPLICATIONS

Fans/ventilators
Pumps
Compressors
Cranes
Lifts
Conveyors
Extruder & Milles
Crushers
Machines

PRODUCTS

Industrial drives
Softstarters
Motor-mounted
drives
Cabinet
solutions
Service

Water & waste
water handling

Up to 30%
energy savings

Power

About 50%
energy
savings

Building automation
heating & ventilation

Crane

Marine

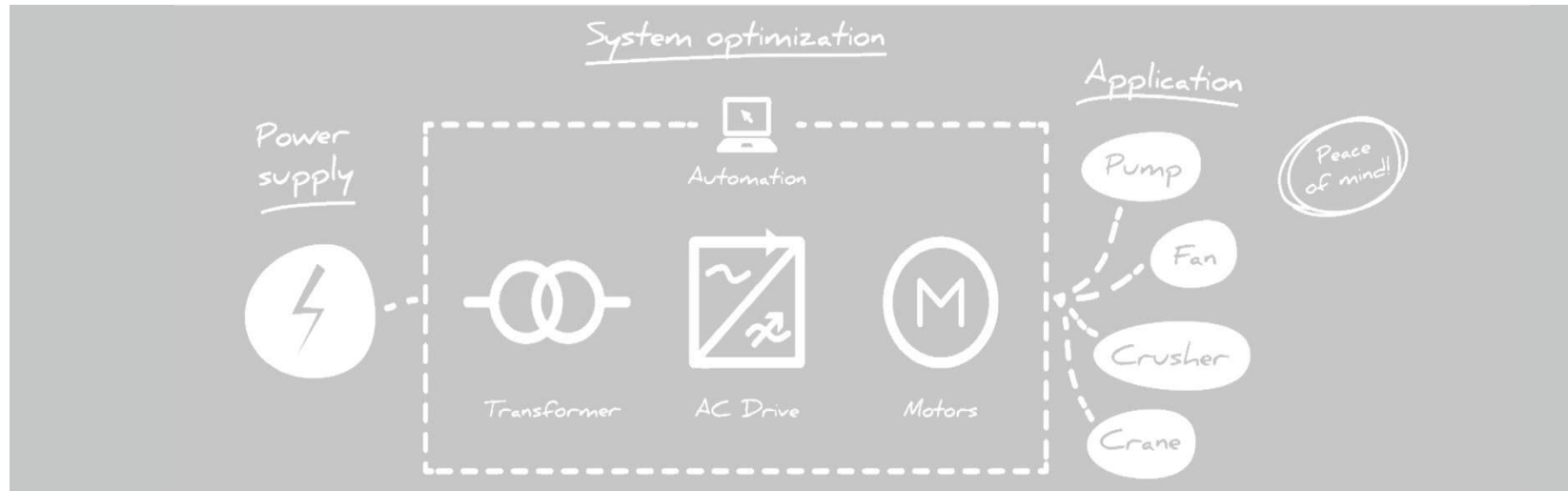
About 50%
energy savings

Infrastructure

Material
handling

WE PUT ALL OUR ENERGY
INTO SAVING YOURS

Our total offering



SERVICES

Training
Field service
Workshop repairs
Preventive maintenance

DRIVE SOLUTIONS

Cabinets
Engineering
Construction
Installation commissioning
Motors
Transformers
Switchgear

CUSTOMIZED PRODUCTS

Hardware & software adaptations
OEM solutions

STANDARD PRODUCTS

AC drives
Softstarters
Shaft power monitors
Motors
Generators
Transformers

Our product portfolio – AC drives



Emotron FDU 2.0 Drives Variable speed drives

Rated power	0.55-3000 kW
Supply voltage	230-690 V, 3-ph
Rated current	2.5-3,000 A
Protection class	IP54
Approvals	CE, UL, DNV, GOST R



Emotron VFX 2.0 Drives Constant torque drives

Rated power	0.55-3000 kW
Supply voltage	230-690 V, 3-ph
Rated current	2.5-3,000 A
Protection class	IP20, IP21 IP54
Approvals	CE, UL, DNV, GOST R (DNV pending for IP20/21)



Emotron AFE Cost effective and trouble-free operation

Emotron Active Frontend drives are available in two versions - Low Harmonic Drives and Regenerative Drives.

Rated power	55-1100 kW
Supply voltage	380-690 V

Our product portfolio – AC drives



Emotron FlowDrive Dedicated waste water drive

Rated power 0.75-160 kW @ 400 VAC
Supply voltages 230-690 VAC, 3-phase
Rated current 2.5-295 A
Protection class IP20, IP21, IP54
Approvals CE, EAC (cULus pending)
Coated boards and EMC filter Category C3 included as standard.



Emotron VS10 & VS30 Optimized for small powers

Rated power VS10: 0.25–2.2 kW 1-ph
VS30: 0.25–7.5 kW 3-ph
Supply voltage 230V 1-ph, 230–480V 3-ph
Protection class IP20
Approvals CE, cULus)



Emotron CDU / CDX 2.0 Compact and intelligent

Rated power 3-22 kW
Supply voltage 380-480 VAC / 480-525 VAC, 3ph
Protection class IP55
Approvals Global standards

Our product portfolio – Softstarters



Emotron TSA Starts, stops and protects

Supply voltages	200 – 525 VAC, 3-ph 50/60 Hz 200 – 690 VAC, 3-ph 50/60 Hz
Rated current	16 – 1800 A
Rated power	5.5 – 1800 kW
Control supply voltage	100 – 240 V
Ambient temperature	0 – 55 °C
Protection class	IP20, NEMA Type 1 (Up to 800 A) IP00, NEMA Open type (1000–1800 A)
Approvals	CE (UL, GOST R pending)

Emotron MSF 2.0 More than just a soft start

Supply voltage	200 – 690 V, 3-ph
Rated current	17 – 1,650 A
Rated power	7.5 – 1,600 kW
Protection class	IP20, NEMA 1 (up to 960 A) IP00, NEMA 0 (up to 1650 A)
Approvals	CE, UL, GOST R

Our product portfolio – Others



Emotron M20 Shaft power monitor

Your shield against overload and damage. They protect your pumps and other equipment against damage and inefficient processes.



Emotron EMX Speed control of rotary heat exchangers

Emotron EMX drive systems are specially designed for speed control of rotary heat exchangers.



CG Motors A wide range of standard motors

CG is one of the leading motor manufacturers, offering a wide range of standard motors in efficiency class IE2 and IE3 230-690V. Customised medium and high voltage motors are available on request.

Our project team

Delivery of **complete systems** based on our Emotron products

Project management We appoint a project manager who is your contact throughout the duration of the project

Design

Installation and commissioning

Documentation

Training, maintenance and service



Our service team



We take full responsibility for our products and solutions, from design to installation, commissioning and maintenance.

Our committed professionals are available when you need support. Independent where in the world you are.

Example of our application know-how



Bridge cranes in the aluminum industry in China



Pumps in sewage treatment plant in Sweden



A movable gold mine in Peru



Emotron control floating mills in Sweden



Emotron VFDs for prestigious cruise ships

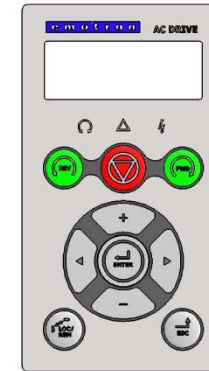


New Emotron Control platform enables our dedicated drives with

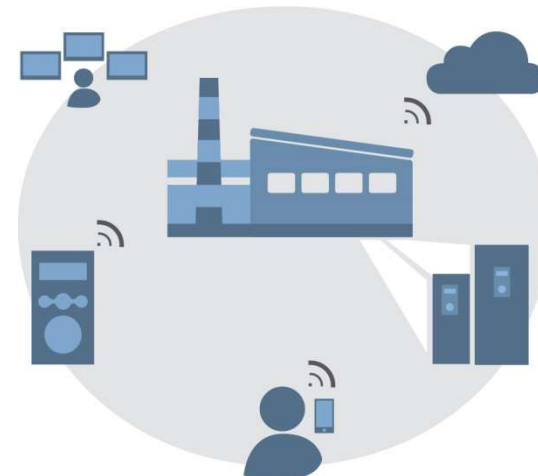
- Connectivity – Bluetooth, PPU
- Industrial 4.0

High power – State of the art of modular compact solutions enables for branding, project solutions and for partners. AFE.

Micro drives – Cost efficiency and high quality products



INDUSTRY4.0 compliance
full connectivity



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emotron.com

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