

## Custom-designed solutions to reduce operating costs and improve production processes

### The Benefits of a Flexible, Competent Partner

Ansaldo Sistemi Industriali is specialized in systems and solutions for industrial automation, electric motors, generators and control systems. As your industrial partner we offer global services spanning the plant's entire life cycle.

Since the company's foundation in 1853 Ansaldo Sistemi Industriali's vocation on the cutting edge of industry has allowed the company to develop specific services and highly flexible solutions that make use of the company's extensive know-how in project implementation. Its transformation into an independent enterprise in 2000, made it ready to meet the challenges of today's demanding markets.

The company's vast experience in this sector allows it to support the design, installation and revamping of the entire plant, offering a complete range of low to medium voltage drives, electric motors and automation systems – perfectly suited for integration with existing systems and machinery – covering the complete production process from the quarry to distribution logistics.



### CORPORATE

Viale Sarca, 336  
I - 20126 Milano  
Phone +39 02 6445 1  
Fax +39 02 6445 4401  
www.asiansaldo.com

### CUSTOMER SERVICE AND SUPPORT

Viale Sarca, 336  
I - 20126 Milano  
Phone +39 02 6445 4254  
Fax +39 02 6445 4274  
service@asiansaldo.com

### BUSINESS UNITS & MAIN OFFICES

#### ITALY

**Motors, Generators & Drives**  
Via Marconi, 1  
I - 34074 Monfalcone (GO)  
Phone +39 0481 717 111  
Fax +39 0481 717 330

Viale Sarca, 336  
I - 20126 Milano  
Phone +39 02 6445 1  
Fax +39 02 6445 4401

#### Industrial Systems & Automation

Corso Perrone, 11  
I - 16152 Genova  
Phone +39 010 6063 1  
Fax +39 010 6063 773

S.S. 11 - Via Cà Sordis, 4  
I - 36054 Montebello Vicentino (VI)  
Phone +39 0444 449 100  
Fax +39 0444 400 001

#### Service

Viale Sarca, 336  
I - 20126 Milano  
Phone +39 02 6445 4254  
Fax +39 02 6445 4274

#### Centro di Ricerca in Elettronica di Potenza (CRELP)

Corso Perrone, 11  
I - 16152 Genova  
Phone +39 010 6063 1  
Fax +39 010 6063 740

#### Answer Drives S.r.l.

S.S. 11 - Via Cà Sordis, 4  
I - 36054 Montebello Vicentino (VI)  
Phone +39 0444 449 268  
Fax +39 0444 449 276  
www.answerdrives.com

For information on the sales office  
or sales representative nearest you  
contact us at: info@asiansaldo.com

### INTERNATIONAL

#### CHINA

**ASI Industrial Systems Beijing Co. Ltd.**  
(subsidiary of Ansaldo Sistemi Industriali S.p.A.)  
Room 3206 – 3208 / Beijing Silver Tower  
No. 2 Dong San Huan Bei Road-Chaoyang District  
Beijing People's Republic of China  
Phone +86 10 6554 4490/91/92  
Fax +86 10 6554 4493

#### FRANCE

**Ansaldo Sistemi Industriali SA**  
Z.I. du Buisson, Rue de la Poudrière  
F-42230 Roche-La-Molière  
Phone +33 4 77907600  
Fax +33 4 77907629

#### GERMANY

**Ansaldo Sistemi Industriali GmbH**  
Im Teelbruch 104  
D-45219 Essen - Kettwig  
Phone +49 (0) 2054 104980  
Fax +49 (0) 2054 1049811

#### ROMANIA

**Ansaldo Sistemi Industriali RO**  
235b Darzei II St. - Crevedia, Jud. Dambovita  
137180 Romania  
Phone +40 374 00 33 54  
Fax +40 757 71 02 04

#### RUSSIA

**AO Ansaldo - VEI**  
Krasnokazarmennaya Ul 12  
111250 Moscow, Russia  
Phone +7 495 3619163  
Fax +7 495 2734391

#### Ansaldo Sistemi Industriali – Moscow Office

Proezd zavoda  
Serp i Molot 6/1  
111250 Moscow – Russia  
Phone +7 495 6623752  
Fax +7 495 6623750

#### THAILAND

**Ansaldo Sistemi Industriali SpA Thailand Branch**  
Muang Thai-Phatra Office Tower II 24th Fl  
252/119 Rachadaphisek Rd, Huaywang  
Bangkok 10310 Thailand  
Phone +66 2 6932930  
Fax +66 2 6932934

#### USA

**Anselectric LLC**  
an Ansaldo Sistemi Industriali SpA Company  
4900 Woodway Dr., Suite 970  
Houston, Texas  
77056 USA  
Phone +1 832 214 4185  
Fax +1 713 583 7775

#### VIETNAM

**ASI Industrial Systems - Representative Office of  
Ansaldo Sistemi Industriali S.p.A.**  
Room 702 – Floor 7th No. 3 Mai Hac De street,  
Hai Ba Trung district - Hanoi  
Phone +84 4 394 47415  
Fax +84 4 394 47415

**ANSALDO**  
SISTEMI INDUSTRIALI



**Ansaldo Sistemi Industriali**  
RESULTS TO THE POWER OF THREE

INDUSTRIAL  
APPLICATION EXPERTISE

**CEMENT**



# At your side to plan new installations and revamp existing ones

Our ability to work alongside our customers throughout the plant's entire life cycle is our genuine strength. We can work on plants at any stage, from design to the end of their useful lifespan: covering Greenfield, expansions, revampings and long-term maintenance. We have a dedicated project management team that can scale the project to meet customers' requirements and budgets in terms of infrastructure and resource planning, including long term planning in phases where necessary for specific solutions or individual products. In short, we offer everything from individual overhauling and renewal of existing plants to the improvement of reliability and energy efficiency as well as the design of turnkey systems.

## Low Voltage Drives

Our GT series of AC low voltage drives was designed for heavy duty pump and fan applications as well as for motion control on industrial process lines. These IGBT-based variable frequency drives offer unmatched levels of adaptability with very high levels of energy stability and user control.



## Medium Voltage Drives

Ansaldo Sistemi Industriali is one of the world's leading suppliers of medium voltage drives for industrial applications. As a softstarter or for variable speed control of induction machines our products have a high reputation for their robust design and reliability, particularly in heavy duty applications.



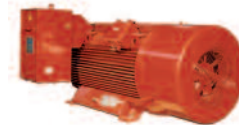
## Power Quality

Our Silcovar reactive power static compensators are used to help improve power factor and guarantee better stability in transmission line voltage which is extremely useful in weak network areas. With our expertise in the design and supply of turn-key substations we are able to help customers meet power requirements in case of plant expansion or revamping - guaranteeing adequate network connection.



## Low Voltage Motors

Ansaldo Sistemi Industriali offers a complete range of robust low voltage motors for a very wide variety of industrial applications including but not limited to pumps, fans and motion control on industrial processing lines.



## MV Squirrel Cage Induction Motors

Our MV induction motors represent the state-of-the-art in this field. With over 100 years of motor manufacturing experience our machines have a very high reputation for their robust design and high level of reliability and availability even in the most arduous of conditions.



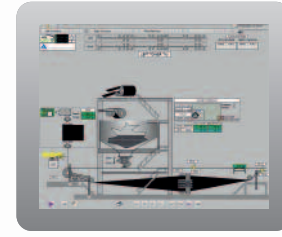
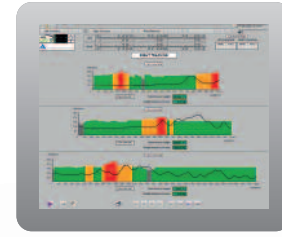
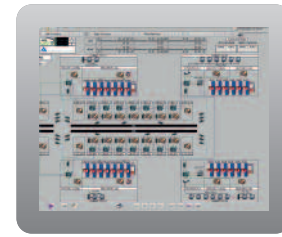
## Wound Rotor

Our wound rotor induction machines offer the same robust design, reliability and availability as our standard squirrel cage induction motors. These machines are widely used in cement plants across the globe.



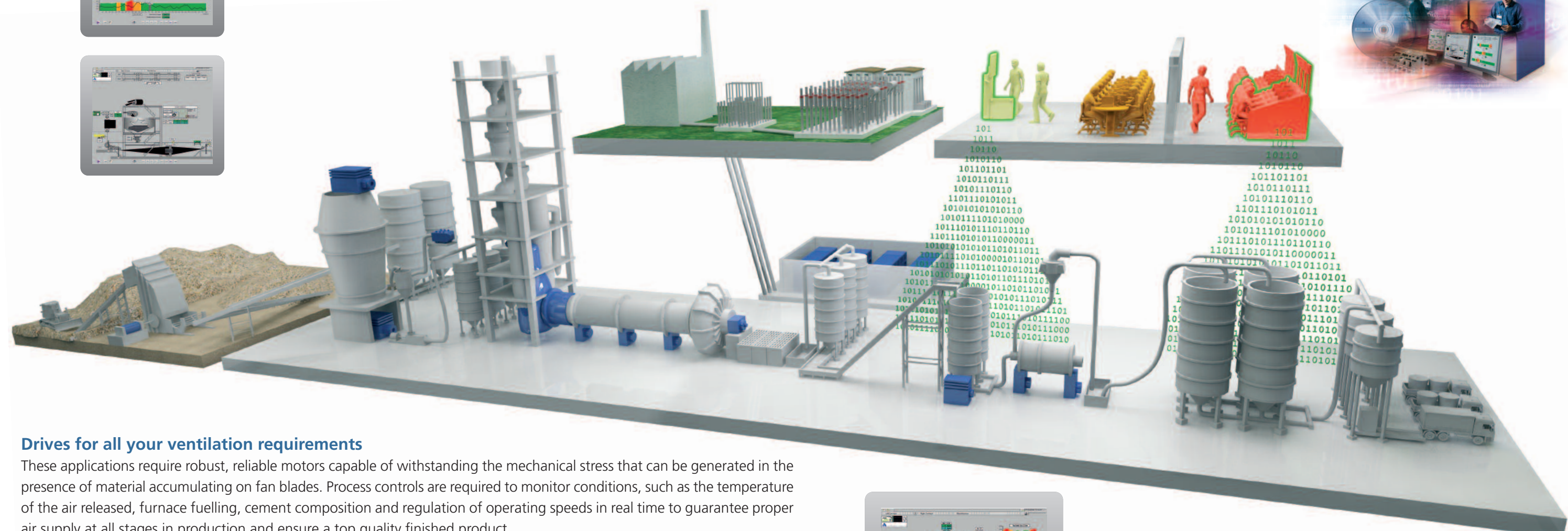
## Direct Current

Older plants continue to use DC equipment. Ansaldo Sistemi Industriali is one of the world's leading suppliers of heavy duty industrial DC machines. We can offer revampings or replacement machines whenever an economic evaluation demonstrates that this is the more convenient solution for our customers. We also have a complete range of DC drives and have assisted customers to revamp older drives substituting aging analogue control systems with more modern digital controls that help guarantee more precision control.



## Material Handling

In this phase of the process, electrical equipment is used to meet a variety of load and motion requirements (loading buckets, conveyor belts, etc.). The use of a single source supplier is beneficial for plant design, purchasing and maintenance services. Our Group offers a wide variety of industrial automation solutions to meet these requirements.



## Power Quality

The control solutions we offer are integratable and modular, aimed at achieving maximum efficiency and flexibility for possible future evolution and additions to the plant. Our expertise in System Integration ensures seamless integration with other systems that may already be in use inside the plant.

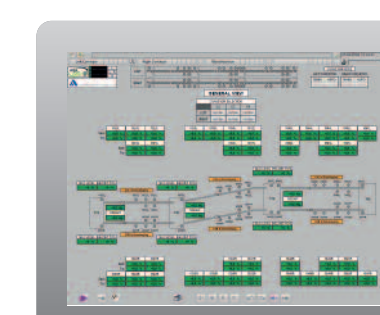
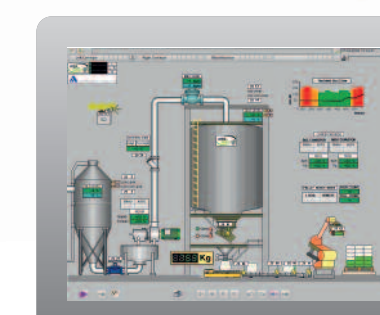
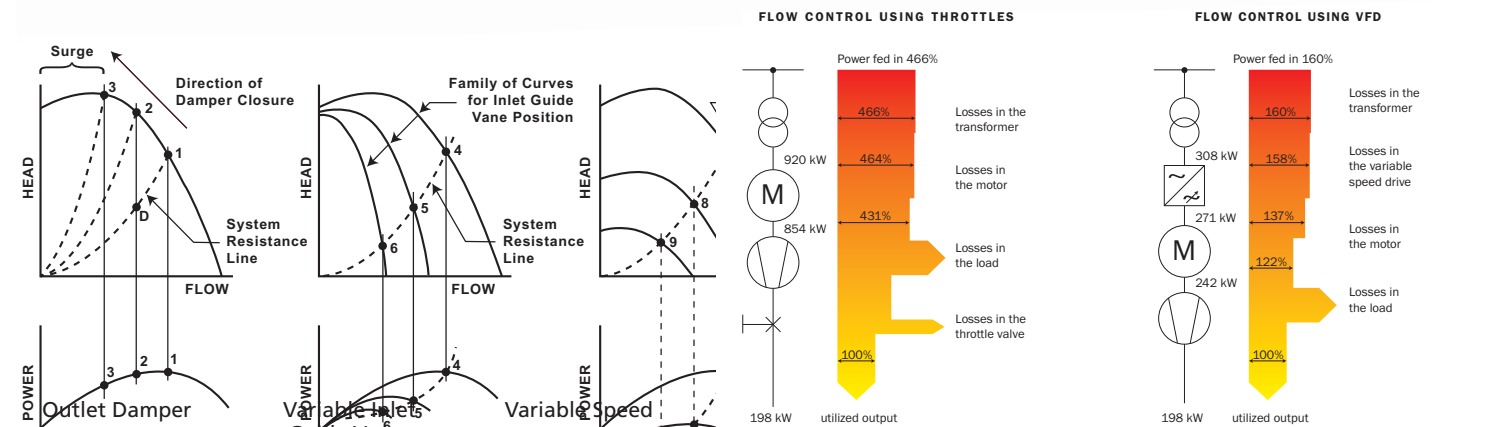
## AIRTICS Industrial Automation Suite

The control solutions we offer are integratable and modular, aimed at achieving maximum efficiency and flexibility for possible future evolution and additions to the plant. Our expertise in System Integration ensures seamless integration with other systems that may already be in use inside the plant.



## Drives for all your ventilation requirements

These applications require robust, reliable motors capable of withstanding the mechanical stress that can be generated in the presence of material accumulating on fan blades. Process controls are required to monitor conditions, such as the temperature of the air released, furnace fuelling, cement composition and regulation of operating speeds in real time to guarantee proper air supply at all stages in production and ensure a top quality finished product. As well as guaranteeing greater flexibility and precision in the production cycle, drives make a significant contribution to cutting operating costs by reducing energy consumption. The savings may be from 30 to 70%, depending on the application.



## Logistics control systems

Operations such as storage in silos, loading onto trucks or railcars and packing in bags involve advanced industrial automation. It is important to have an organization and logistics program capable of handling this sequence of operations with the utmost precision.