# The History: The glorious past Inventions

<table>
<thead>
<tr>
<th>Event</th>
<th>Year</th>
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<tbody>
<tr>
<td>Abraham Ganz established GANZ factory</td>
<td>1844</td>
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<td>Electric dept was established</td>
<td>1878</td>
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<td>Electric public transport by Kálmán Kandó</td>
<td>1892</td>
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<td>Creation of the 1st Transformer in the world</td>
<td>1884</td>
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<td>Production of 3ph Induction motor (3HP)</td>
<td>1896</td>
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<td>Production of Turbo-generators in GANZ by Otto Blathy (900kVA)</td>
<td>1903</td>
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<td>Ganz Ansaldo was formed (motors, generators, service)</td>
<td>1991</td>
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<tr>
<td>Transelektro group acquired Ganz Ansaldo (motors)</td>
<td>2000</td>
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<td>Ganz is now CG – prodn of large motors</td>
<td>2006</td>
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<td>Resumed generators</td>
<td>2008</td>
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CG GANZ HUNGARY

**TRANSFORMERS**
- MVA: 20-600
- KV: 72.5-800kV

**MV & HV MOTOR**
- KW: Till 20MW
- Pole: 2 to 24P

**GENERATOR**
- KW: Till 60MVA
- Pole: 2 to 40P

**SERVICES**
- Transformer + Generator Refurbishments
Locations of the facilities

Budapest
• Central administrative functions
  • Sales
  • Design
  • Purchasing

Tápiószele
• Transformer, electric motor manufacturing
• 41000 m² factory
Hungary - Factories in Tápiószele

Rotating machines

Transformers
CEMENT INDUSTRY MOTORS

DOUBLE CAGE motors for cement twin mill drives

(4720 kW, 6300 V, 993 r.p.m.)
Wound-rotor induction mill-motor at Sinai Cement, Egypt

(3000 kW, 3300 V, 993 r.p.m.)
Wound-rotor induction mill-motor at Binani Cements Dubai
Cement industry – Motor replacement

7500 kW, 11 kV, 6 pole wound rotor motor for **cement mill**
Customer: ASI-Egypt

4600 kW, 3.3 kV, 6 pole cage rotor **cement mill** motor
Customer: Tillbury Cement Plant, UK
Cement industry – Motor replacement

LAFARGE – GREECE – 2013
Heracles General Cement Company
3500 kW, 1000 rpm, 6,6 kV, SR – 1 pc

LAFARGE – ALGERIA – 2013
Algerian Cement Company
3500 kW, 1000 rpm, 3,3 kV, SC – 1 pc
Cement industry – Motor replacement

LAFARGE – IRAQ 2013
Karbala Rehabilitation Project

- 2800 kW, 1000 rpm, 6,6 kV, SR – 4 pcs
- 2300 kW, 1000 rpm, 6,6 kV, SR – 4 pcs
- 1250 kW, 1500 rpm, 6,6 kV, SR – 2 pcs
- 700 kW, 850 rpm, 6,6 kV, SR – 1 pc

LAFARGE – NIGERIA – 2012
ASHAKE Cement Plant

- 2250 kW, 750 rpm, 11kV, SR – 2 pcs
- 5500 kW, 6 Pole 6.6kV
Cement industry – Motor replacement

POLYSIUS, GERMANY – 2011
Ohorongo Cement Plant (NAMIBIA)

850 kW, 900 rpm, 11 kV, SR – 1 pc
1400 kW, 900 rpm, IC511, 11 kV, SR – 1 pc
3500 kW, 900 rpm, 11 kV, SR – 1 pc
Cement industry – Motor replacement

FIVES FCB, FRANCE 2012
Barosso (BRAZIL)

3400 kW, 900 rpm, 13,8 kV, SR – 1pc
360 kW, 900 rpm, 13,8 kV, SR – 1 pc
220 kW, 1800 rpm, 440 V, SR – 2 pc
1900 kW, 900 rpm, 13,8 kV, SR – 1 pc

VICAT, FRANCE 2012
Saint Egreve Plant

650 kW, 950 rpm, 5 kV, SR – 1pc
Cement industry – Motor replacement

ENCi Cement, Switzerland
1700 kW 12 pole, 10kV

Peru Cement Plant
1800 kW, IC81 cooling 714rpm
Cement industry – Motor replacement

MEFTAHE – AïGERIA 2014

Lafarge Cement plant

2 x 3300 kW, 5500 V, 744 rpm, 50 Hz, FRA
710 Hm8
POLYSIUS, GERMANY – 2015
Alswafa 2 New line Lafarge plant (Saudi Arabia)
1 x 1500kW, 11kV, FTA 630Hv6
1 x 1200kW, 11kV, FTA 560 Es6
1 x 5000kW, 13.8kV, FBAO 909 X6
4 x 4000kW 13.8kV, FTA 800 Hs6
2 x 315kW, 11kV, NG450L
Cement industry – New motors

2 x 1500kW, 11kV, FTA 500 D6
2 x 1250kW, 11kV, FTA 560 D6
2 x 2300kW, 11kV, FTA 630 G6
1 x 1850kW, 11kV, FTA 710 Kt8
1 x 700kW, 11kV, FTA560 Eu8
3 x 5400kW, 11kV, FTA 800 Hm6

FIVES FCB FRANCE– 2015
CHELF CEMENT PLANT, ALGERIA
11 nos MV Motors
References
Thank you