Company Profile

SJEC

Elevators & Escalators

since 1992
SJEC In Brief

- One of the well-known elevator and escalator companies.
- Provides solutions for the manufacturing, installation, maintenance and modernization of elevators and escalators.
- Listed on the Shanghai Exchanges since 2012.
- Over 1600 employee.
Our route

We have been committed to this industry for more than 20 years

1992
Tiger Hill facility, China
Construction area: 21000 m²

1995
Penang factory, Malaysia
Construction area: 5000 m²

2004
Facility in SIP, China
Construction area: 35000 m²
Test tower height: 66.8m

2005
Parts supply factory in SIP, China
Construction area: 23000 m²

2009
New facility in SIP
“Phase 6”
Construction area: 54000 m²
Test tower height: 140m

2014
New Electronic company in SIP

Confidential
The average growth per year >20%

Turnover (million RMB)

- 2009: 261 (Oversea: 1043, Domestic: 1264)
- 2010: 255 (Oversea: 292, Domestic: 1376)
- 2011: 341 (Oversea: 1630, Domestic: 467)
- 2012: 467 (Oversea: 2400, Domestic: 1376)

Source: SJEC Annual Sales Report
Our Strategic Partners
Our Factory

At Suzhou Industry Park

Producing area: 57,000 sq.m
Office area: 26,500 sq.m
Logistic area: 20,000 sq.m
Product introduction for Russia
Our products

Elevator
- MRL
  - S810 (passenger)
  - S820 (passenger)
  - M300 (passenger)
  - V300 (villa)
  - S100 (cargo)
- MRA
  - C300 (Passenger)
  - S830 (Passenger)
  - E500 (high speed, Passenger)
  - A100 (Cargo)

Building Type
- Residential
- Hospital
- Hotel
- Office
- Shopping center
- Traffic center
- supermarket
- Villa

Escalator
- Commercial FES
- Heavy Duty FEH
- Conveyor FET FEF FEW

SJEC | 2014 Sales Engineering
SJEC in the world

90 Countries

SJEC | 2014 Sales Engineering
Our success

Turnover (million RMB)

The average growth per year >20%

Source: SJEC Annual Sales Report
Main products for Russia

Also, lift S810, S830, M300 is available for the custom union certificate.

The certificates for safety components are available.

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SJEC in Russia

Moscow
St Petersburg
Ekaterinburg
Novosibirsk
Irkutsk
Yakutsk
Khabarovsk
Blagoveshchensk
Rostov na Donu
Rezh
Nizhnovartovsk
Ussuriysk
Mytischhi
Kaliningrad
Anapa
Novorossisk
Kaluga

Vladivostok
Ufa
Penza
Krasnoyarsk
Ulan Ude
Chita
Orsk
Lukhovisy
Vladimir
Tula
Sugurt
Komsomalsk Na Amure
Odincovo
Orenburg
Kosmonavto
Crimea

Kostroma
Ryazan
Nizhniy Novgorod
Voronezh
Saratov
Kazan
Samara
Omsk
Liptsk
Tambov
Liski
Sochi
Klin
Novoyasenevsky
Vladikavkaz
Uliyanovsk

...
From top 10 to top 5

Among exporting companies including Otis, Kone, Shindler...

2011: 84 units
2012: 190 units
2013: 345 units
Custom Union Certificate

S820-MRL

C300-MRA

SJEC | 2014 Sales Engineering
For all types of lifts S810, S810M, S820, S830, C300, V300, A100, S100, E500, M300.
Technical Ability

**Engineers with certificate**

Totally **279** Engineers (include the sales engineering team of international business)

Include **29** Senior Engineers

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**International Business**

- Sales team
- Logistic
- Sales Engineering

- Feedback quick responding.
- New case feasibility checking.
- Technical support at site.
- Area certification obtainment.
- Collect Non-std information for products improvement

SJEC | 2014 Sales Engineering
Technical Ability

Achievement

Elevator
Speed 8 m/s
140m SJEC Tower,
Suzhou, China

Escalator
Height 33.5 m
Longemont Asia Pacific City,
Shenyang, China
Advantage VVVF Control System

**e-com system**

- **Power saving**
  - VVVF control

- **Comfort**
  - Smooth running curve

- **Easy tuning**
  - Integrate system & easy trouble shooting
The E-com control system

- E-com is an epochal product of SJEC
- The most popular elevator control system in China is generated basing on SJEC control system.

N-curve algorithm distance control

- E-com can automatically calculate the most proper speed curve according to different travel distance, this improves 5~30% service efficiency, reduce passenger’s waiting time.

Energy regeneration system (option)

- The energy consumption can be further reduced by the installation of an energy regeneration module. Comparing with traditional controller, E-com with energy regeneration can save 20-40% of energy consumption.
Eco-efficiency in our products

Our solution help customer save energy and cost

- Permanent magnet gearless machine
- Energy regeneration available
- e-COM VVVF control system
- LED efficiency lighting
- Sleep Mode for energy saving
- Reflection detector
- Stand by Mode
- By pass control system
- Soft stop
### MRA solution C300

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed</td>
<td>1, 1.5, 1.6, 1.75 mps</td>
</tr>
<tr>
<td>Capacity</td>
<td>400 – 1600 kg</td>
</tr>
<tr>
<td>Machinery Plan</td>
<td>MRA</td>
</tr>
<tr>
<td>Traction Machine</td>
<td>Geared</td>
</tr>
<tr>
<td>Control System</td>
<td>e-com, VVVF</td>
</tr>
<tr>
<td>Elevation Plan</td>
<td>Side cwt; Rear cwt</td>
</tr>
<tr>
<td>Certificates</td>
<td>Russia (CUTR), China</td>
</tr>
<tr>
<td>Mainly usage</td>
<td>Residential, Commercial, Office</td>
</tr>
</tbody>
</table>

- Most mature and traditional type
- Easy maintenance
- Low OH & PD
Typical Solution of C300 – 1000KG

MRL lift
Capacity: 1000kg
Car size: 2100*1100
Car height: inner clear height 2100mm + ceiling 100mm
Door: 1200*2000 SO

Shaft size: 2500*1700
Overhead:
3500 (1mps);
3650 (1.5mps);
3700 (1.6mps);
3700 (1.75mps)

Pit Depth:
1150 (1mps);
1300 (1.5mps);
1300 (1.6mps);
1350 (1.75mps)

Note:
1. Max additional decoration weight in car is 200kg with additional cost (replacing some pieces of counterweight fillers into iron)
2. Additional decoration weight in car requires addition cost for counterweight.
Typical Solution of C300 – 400KG

MRL lift
Capacity: 400kg
Car size: 1100*1000
Car height: inner clear height 2100mm + ceiling 100mm
Door: 700*2000 CO

Shaft size: 1550*1700
Overhead: 3500 (1mps);
3650 (1.5mps);
3700 (1.6mps);
3700 (1.75mps)

Pit Depth: 1150 (1mps);
1300 (1.5mps);
1300 (1.6mps);
1350 (1.75mps)

Note:
1. Maximal additional decoration weight in car is 200kg.
2. Additional decoration weight in car requires addition cost for counterweight.
## Typical dimensions of C300

<table>
<thead>
<tr>
<th>Person</th>
<th>Capacity</th>
<th>Car Size</th>
<th>Door Opening(mm)</th>
<th>Hoistway Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>400</td>
<td>1100x1000</td>
<td>CO 700/SO800</td>
<td>1550x1700</td>
</tr>
<tr>
<td>8</td>
<td>630</td>
<td>1400x1100</td>
<td>CO 800</td>
<td>1850x1700</td>
</tr>
<tr>
<td>10</td>
<td>800</td>
<td>1400x1350</td>
<td>CO 800</td>
<td>1850x1950</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1100x1700</td>
<td>CO 800</td>
<td>1950x2100</td>
</tr>
<tr>
<td>13</td>
<td>1000</td>
<td>1100x2100</td>
<td>CO 800/SO900</td>
<td>1950x2550</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2100*1100</td>
<td>SO 1200</td>
<td>Min.2550x1700</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1600x1400</td>
<td>CO 900</td>
<td>2050x2000</td>
</tr>
<tr>
<td>15</td>
<td>1150</td>
<td>1800x1400</td>
<td>CO 1100</td>
<td>2400x2100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1400x1800</td>
<td>CO 900</td>
<td>2300x2200</td>
</tr>
<tr>
<td>16</td>
<td>1250</td>
<td>1950x1400</td>
<td>CO 1100</td>
<td>2550x2100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1400x1950</td>
<td>SO 1100/1200</td>
<td>2300x2400</td>
</tr>
<tr>
<td>18</td>
<td>1350</td>
<td>1950x1500</td>
<td>CO 1100</td>
<td>2550x2200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1400x2100</td>
<td>SO 1100/1200</td>
<td>2300x2550</td>
</tr>
<tr>
<td>21</td>
<td>1600</td>
<td>1400x2400</td>
<td>SO 1100/1200</td>
<td>2300x2850</td>
</tr>
</tbody>
</table>

Speed 1.0m/s, 1.5m/s, 1.6m/s, 1.75m/s, min.PD1150mm, min.OH3500mm. Through opening is available.
## MRL solution S820

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed</td>
<td>1, 1.5, 1.6, 1.75 mps</td>
</tr>
<tr>
<td>Capacity</td>
<td>450 – 2000 kg</td>
</tr>
<tr>
<td>Machinery Plan</td>
<td>MRL</td>
</tr>
<tr>
<td>Traction Machine</td>
<td>Gearless PM</td>
</tr>
<tr>
<td>Control System</td>
<td>e-com, VVVF</td>
</tr>
<tr>
<td>Elevation Plan</td>
<td>Side cwt</td>
</tr>
<tr>
<td>Certificates</td>
<td>Russia (CUTR), China, CE</td>
</tr>
<tr>
<td>Mainly usage</td>
<td>Residential, Commercial, Office</td>
</tr>
</tbody>
</table>

- Sold in Europe for almost 10 years
- PM motor with high efficiency and energy saving
Typical dimensions of S820/S830

<table>
<thead>
<tr>
<th>Person</th>
<th>Load(kg)</th>
<th>Car Size</th>
<th>Door Opening(mm)</th>
<th>Std. Hoistway Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>450</td>
<td>950x1300</td>
<td>CO700/S0800</td>
<td>1550*1700</td>
</tr>
<tr>
<td>8</td>
<td>630</td>
<td>1100x1400</td>
<td>CO 800</td>
<td>1850x1850</td>
</tr>
<tr>
<td>10</td>
<td>800</td>
<td>1100x1700</td>
<td>CO 800</td>
<td>1850x2150</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1350x1400</td>
<td></td>
<td>2000x1850</td>
</tr>
<tr>
<td>13</td>
<td>1000</td>
<td>1100x2100</td>
<td>CO 800/SO900</td>
<td>1850x2550</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1600x1400</td>
<td>CO 900</td>
<td>2250x1850</td>
</tr>
<tr>
<td>15</td>
<td>1150</td>
<td>2050x1200</td>
<td>SO1200</td>
<td>2650x1700</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1400×1800</td>
<td>SO 1100/1200</td>
<td>2500×2250</td>
</tr>
<tr>
<td>16</td>
<td>1250</td>
<td>1400×1950</td>
<td>SO 1100/1200</td>
<td>2500×2400</td>
</tr>
<tr>
<td>18</td>
<td>1350</td>
<td>1400×2100</td>
<td>SO 1100/1200</td>
<td>2500×2550</td>
</tr>
<tr>
<td>26</td>
<td>2000</td>
<td>1600×2500</td>
<td>SO 1100/1200</td>
<td>2700×2950</td>
</tr>
</tbody>
</table>

Speed 1.0m/s, 1.5m/s 1.6m/s, 1.75m/s, min.PD1300mm, min.OH3700mm. Through opening is available.
# MRL solution M300 (S820-II)

<table>
<thead>
<tr>
<th>Speed</th>
<th>1, 1.5, 1.6, 1.75 mps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>400 – 1050 kg</td>
</tr>
<tr>
<td>Machinery Plan</td>
<td>MRL</td>
</tr>
<tr>
<td>Traction Machine</td>
<td>Gearless PM</td>
</tr>
<tr>
<td>Control System</td>
<td>e-com, VVVF</td>
</tr>
<tr>
<td>Elevation Plan</td>
<td>Side cwt</td>
</tr>
<tr>
<td>Certificates</td>
<td>Russia (CUTR), China</td>
</tr>
<tr>
<td>Mainly usage</td>
<td>Residential, Commercial, Office</td>
</tr>
</tbody>
</table>

- Easy installation
- PM motor with high efficiency and energy saving
- Low OH & PD

**Developing:**
- 2.5 mps available in 2015!
- 1600 kg available in 2016!
### MRL lift
- **Capacity:** 1000kg
- **Car size:** 2100*1100
- **Car height:**
  - Inner clear height: 2100mm
  - Ceiling: 100mm
- **Door:** 1200*2000 SO

### Shaft size
- 2700*1700

### Overhead
- 3500 (1mps);
- 3750 (1.5mps);
- 3800 (1.6mps);
- 3850 (1.75mps)

### Pit Depth
- 1300 (1mps);
- 1400 (1.5mps);
- 1450 (1.6mps);
- 1500 (1.75mps)

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**Note:**
1. No additional decoration in car. If there is 40~200kg additional decoration weight, OH or PD shall increase 200mm.
2. Additional decoration weight in car require addition cost for counterweight.
Typical Solution of M300 (S820-II) – 400KG

MRL lift
Capacity: 400kg
Car size: 950*1100
Car height: inner clear height 2100mm + ceiling 100mm
Door: 800*2000 SO

Shaft size: 1550*1700
Overhead: 3500 (1mps); 3750 (1.5mps); 3800 (1.6mps); 3850 (1.75mps)
Pit Depth: 1300 (1mps); 1400 (1.5mps); 1450 (1.6mps); 1500 (1.75mps)

Note:
1. Maximal additional decoration weight in car is 200kg.
2. Additional decoration weight in car require addition cost for counterweight.
Typical Solution of M300 (S820-II) – 400KG

MRL lift
Capacity: 400kg
Car size: 950*1100
Car height: inner clear height 2100mm + ceiling 100mm
Door: 700*2000 CO

Shaft size: 1550*1700
Overhead: 3500 (1mps); 3750 (1.5mps); 3800 (1.6mps); 3850 (1.75mps)
Pit Depth: 1300 (1mps); 1400 (1.5mps); 1450 (1.6mps); 1500 (1.75mps)

Note:
1. Maximal additional decoration weight in car is 200kg.
2. Additional decoration weight in car require addition cost for counterweight.
## Typical dimensions of M300 (S820-II)

<table>
<thead>
<tr>
<th>Person</th>
<th>Load (kg)</th>
<th>Car Size</th>
<th>Door Opening (mm)</th>
<th>Std. Hoistway Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>400</td>
<td>950x1100</td>
<td>CO700/SO800</td>
<td>1550x1700</td>
</tr>
<tr>
<td>8</td>
<td>630</td>
<td>1100x1400</td>
<td>CO 800</td>
<td>1800x1800</td>
</tr>
<tr>
<td>10</td>
<td>800</td>
<td>1100x1650</td>
<td>CO 900</td>
<td>1800x2050</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1350x1400</td>
<td></td>
<td>1950x1850</td>
</tr>
<tr>
<td>13</td>
<td>1000</td>
<td>1100x2100</td>
<td>CO 800</td>
<td>1800x2500</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2100x1100</td>
<td>SO1200</td>
<td>2700x1700</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1600x1400</td>
<td>CO 900</td>
<td>2200x1850</td>
</tr>
</tbody>
</table>

Speed 1.0m/s, 1.5m/s, 1.6m/s, 1.75m/s, min.PD1300mm, min.OH3500mm. Through opening is available.
Typical dimensions of S810

<table>
<thead>
<tr>
<th>Person</th>
<th>Load(kg)</th>
<th>Car Size</th>
<th>Door Opening(mm)</th>
<th>Standard Hoistway Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>320</td>
<td>850x1050</td>
<td></td>
<td>1500x1450</td>
</tr>
<tr>
<td>5</td>
<td>400</td>
<td>850x1250</td>
<td>SO 800</td>
<td>1500x1650</td>
</tr>
<tr>
<td>6</td>
<td>450</td>
<td>1000x1250</td>
<td></td>
<td>1650x1650</td>
</tr>
<tr>
<td>6</td>
<td>480</td>
<td>1000x1300</td>
<td>SO 800/900</td>
<td>1650x1700</td>
</tr>
<tr>
<td>6</td>
<td>500</td>
<td>1000x1350</td>
<td></td>
<td>1650x1750</td>
</tr>
<tr>
<td>8</td>
<td>630</td>
<td>1100x1400</td>
<td>SO 900</td>
<td>1750x1800</td>
</tr>
</tbody>
</table>

Speed 0.63m/s, 1.0m/s, min.PD1300mm, min.OH3500mm.
Through opening and 90° opening is available.
Car design

- Standard car
  - Painted steel

- JR-004
  - Hairline st. st

- JC-002
  - Etched mirror st. st
  - Dark Ti color hairline st. st

- SJEQ N16
  - Hairline st. st + Mirror st. st
Panoramic cars

HC-012 Hexagon
HC-010 Semi-Circle
HC-007 Semi-Circle
HC-011 Square
HC-004 Semi-Circle

SJEC | 2014 Sales Engineering
Different choices for car

Ceiling

TH-103
TH-105
TH-403B (emergency exit)

COP&FOB

FOB/COB 330
FOB/COB 700

Handrail

HC-001
HC-104
CD-100
CD-200

Floor

CP-3
TM-7461A
ES-2
B-308

Rubber black
Rubber gray
Checked Alum.
Checked ST.
Escalators and Travelators

Handrail - different colors

Lighting, comb light
Balustrade light
Skirting light

Skirting brush

Direction indicator

Step - Black st.st-standard

Step - gray Alu.
## Escalators and Travelators

### Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>FES</th>
<th>FET</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inclination</td>
<td>30°, 35°</td>
<td>10° ~12°</td>
</tr>
<tr>
<td>Vertical rise</td>
<td>1.2m ~ 8m</td>
<td>1.5m~8m</td>
</tr>
<tr>
<td>Rated speed</td>
<td>0.5m/s</td>
<td>0.5m/s</td>
</tr>
<tr>
<td>Step width</td>
<td>600mm/800mm/1000mm</td>
<td>800mm/1000mm</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>-10°C ~+40.0°C; The allowable working time: 12-14 hours per day, 365 days per year.</td>
<td></td>
</tr>
<tr>
<td>Outside cladding</td>
<td>Painted Steel /Stainless steel /Glass</td>
<td></td>
</tr>
</tbody>
</table>
# The Advantages for Escalators and Travelators

<table>
<thead>
<tr>
<th>Introduction</th>
<th>Efficiency</th>
<th>Safety &amp; Comfort</th>
<th>Energy saving and easy installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Special design, SJEC escalator is with elegance style, special sculpt, smooth line, stable operation and advanced technology;</td>
<td>- Allow individuals to move in a short amount of time;</td>
<td>- Safety is the major concern in SJEC design;</td>
<td>- VVVF frequency conversion system;</td>
</tr>
<tr>
<td>- It can be widely used in shopping mall, supermarket, subway station and airport, etc.</td>
<td>- Allow large group of people to get on at once;</td>
<td>- Transport people automatically and stably;</td>
<td>- i-con control system, designed by SJEC.</td>
</tr>
<tr>
<td>- Adjustable horizontal span and construction dimension according to customers’ requirement.</td>
<td>- Reduce the need of waiting period.</td>
<td>- Require little physical exertion;</td>
<td>- Easy installation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Project reference

Moscow

SJEC | 2014 Sales Engineering
Project reference

St Petersburg
SJEC | 2014 Sales Engineering
Project reference

Lukhovitsy
SJEC | 2014 Sales Engineering
Ekaterinburg
Project reference

Chita

SJEC | 2014 Sales Engineering
Project reference

BLAGOVESHENSK

SJEC | 2014 Sales Engineering
Technical support in Russia

Engineer will go to job site for technical support every year.
Exhibition-lift expo-Russia
Thank you for your attention!