





# ABOUT US

RFA International is the exclusive distributor of the ChEMK Industrial Group, headquartered in Schaffhausen, Switzerland.

The 4 production units in Russia, along with various mines and ore deposits, establishes the ChEMK Industrial Group as one of the largest integrated producers of FerroAlloys worldwide.

With years of experience in the industry, RFA International is recognized as a global leader in the supply of FerroChrome, FerroSilicon and several other FerroAlloy products.

We take pride in the fact that leading Carbon, Stainless and Special Steel producers around the world rely on our ability to consistently deliver high quality products.

# HISTORY

**1929**

The first Ferroalloy plant in the Soviet Union was built in Chelyabinsk

**1992**

JSC ChEMK is established

**2002**

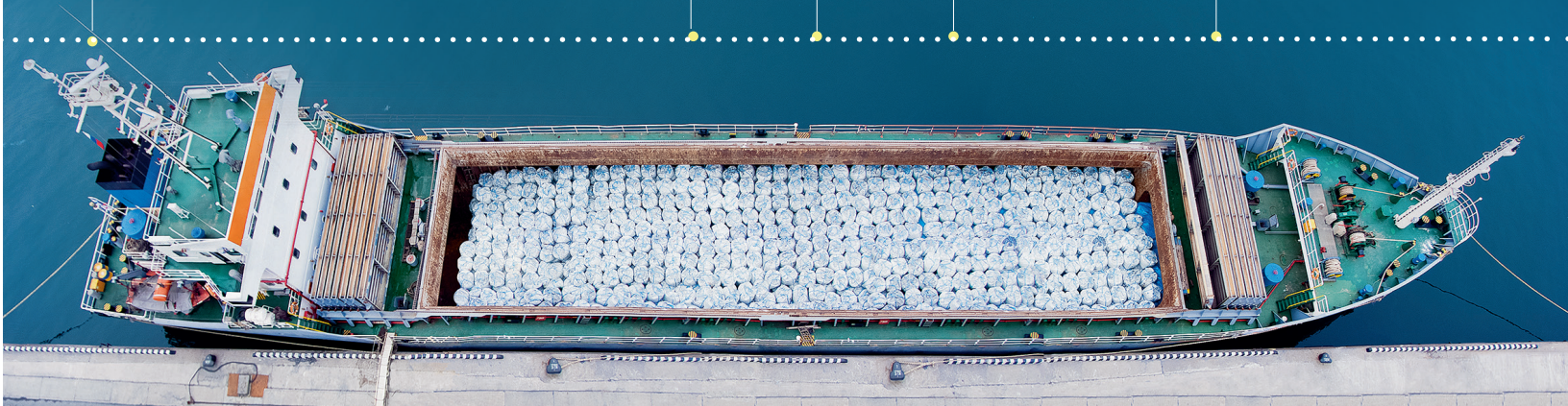
Acquisition of Kuznetskie Ferrosplavy (KF) plant

**2006**

Acquisition of Yurga plant

**2015**

Acquisition of Serov plant



# PLANTS AND MINES



Plant	Location	Production Capacity (kt)	Number of Employees	Production Units	Products
ChEMK	Chelyabinsk – Ural Region	750	10,000	50	HC/MC/LC FeCr FeSi, FeMn, SiMn
Kuznetskie Ferrosplavy (KF)	Novokuznetsk – Kemerovo Region	440	2,800	13	FeSi, Microsilica
Yurga	Yurga – Kemerovo Region	125	1,100	7	FeSi, Microsilica
Sarov	Sarov – Sverdlovsk Region	400	2,650	17	HC/MC/LC FeCr FeSi

# OUR PRODUCTS

## Low Carbon FerroChrome (65 grade)

		<b>Cr</b>	<b>C</b>	<b>Si</b>	<b>P</b>	<b>S</b>
<b>XLC FeCr</b>	<b>LC FeCr 0.03</b>	65% min	0.03% max	1% max	0.03% max	0.03% max
	<b>LC FeCr 0.05</b>	65% min	0.05% max	1% max	0.03% max	0.03% max
<b>LC FeCr</b>	<b>LC FeCr 0.06</b>	65% min	0.06% max	1% max	0.03% max	0.03% max
	<b>LC FeCr 0.10</b>	65% min	0.10% max	1% max	0.03% max	0.03% max
	<b>LC FeCr 0.15</b>	65% min	0.15% max	1% max	0.03% max	0.03% max
	<b>LC FeCr 0.25</b>	65% min	0.25% max	1% max	0.03% max	0.03% max
<b>MC FeCr</b>	<b>MC FeCr 1.5</b>	65% min	1.5% max	1.5% max	0.03% max	0.03% max
	<b>MC FeCr 2.0</b>	65% min	2% max	1.5% max	0.03% max	0.03% max

## Low Carbon FerroChrome (62 grade)

		<b>Cr</b>	<b>C</b>	<b>Si</b>	<b>P</b>	<b>S</b>
<b>XLC FeCr</b>	<b>LC FeCr 0.03</b>	62% min	0.03% max	1% max	0.03% max	0.03% max
	<b>LC FeCr 0.05</b>	62% min	0.05% max	1% max	0.03% max	0.03% max
<b>LC FeCr</b>	<b>LC FeCr 0.06</b>	62% min	0.06% max	1% max	0.03% max	0.03% max
	<b>LC FeCr 0.10</b>	62% min	0.10% max	1% max	0.03% max	0.03% max
	<b>LC FeCr 0.15</b>	62% min	0.15% max	1% max	0.03% max	0.03% max
	<b>LC FeCr 0.25</b>	62% min	0.25% max	1% max	0.03% max	0.03% max
<b>MC FeCr</b>	<b>MC FeCr 1.5</b>	62% min	1.5% max	1.5% max	0.03% max	0.03% max
	<b>MC FeCr 2.0</b>	62% min	2% max	1.5% max	0.03% max	0.03% max



### High Carbon FerroChrome (HC FeCr)

		<b>Cr</b>	<b>C</b>	<b>Si</b>	<b>P</b>	<b>S</b>
HC FeCr	HC FeCr 60	60% min	8.5% max	1.5% max	0.03% max	0.03% max

### Charge Chrome

		<b>Cr</b>	<b>C</b>	<b>Si</b>	<b>P</b>	<b>S</b>
Charge Cr	Charge Cr 52	52-53%	8% max	4% max	0.03% max	0.03% max

### FerroSilicon (FeSi)

		<b>Si</b>	<b>Al</b>	<b>C</b>	<b>P</b>	<b>S</b>
Standard FeSi	FeSi 75	75% min	1.5% max	0.15% max	0.03% max	0.03% max
	FeSi 70	70% min	1.5% max	0.15% max	0.03% max	0.03% max
	FeSi 65	65% min	1.5% max	0.15% max	0.03% max	0.03% max
	FeSi 45	45% min	1.5% max	0.15% max	0.03% max	0.03% max

### Refined FerroSilicon 70 (HG FeSi 70)

		<b>Si</b>	<b>Al</b>	<b>C</b>	<b>P</b>	<b>S</b>
Refined FeSi	HG FeSi 70	70% min	0.5% max	0.05% max	0.03% max	0.03% max

Non-Standard Chemistries can be produced upon request.





# A GLOBAL NETWORK FOR A LOCAL PRESENCE

RFA International has several Sales and Representation Offices, and operates a wide network of warehouses globally.

## Sales and Representation Offices:

- **Switzerland:** Schaffhausen (Main office)
- **Japan:** Tokyo
- **India:** New Delhi

## Warehouses:

- **Europe:** Rotterdam, Vlissingen, Ravenna, Bilbao, Duisburg, Basel, Gavle, Scunthorpe
- **Far East:** Moji, Nagoya, Kawasaki, Himeji, Muroran, Busan, Kaohsiung
- **Turkey:** Gebze, Iskenderun
- **Middle East:** Sohar

This local presence allows us to provide efficient logistic services and just-in-time deliveries to our customers.





# MANAGEMENT SYSTEM

## QUALITY SYSTEM

The main priority of our company is to achieve customer satisfaction by consistently supplying high quality products.

This Quality System is based on a permanent control of all stages of the production process, and on strict testing in our modern accredited laboratories.

Our Quality Management System is certified in accordance with the ISO 9001 standard.



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## ENVIRONMENT

As part of a constant commitment to limit the environmental impact of our Operations, our Group has made significant investments in highly effective gas-cleaning equipment that have drastically reduced the level of greenhouse gas emissions over the last decade.

Another focus in our sustainable approach, is to recycle internally close to 95% of our production waste, and to use a closed cycle industrial water supply with multi-stage water treatment.

Our Environment Management System is certified in accordance with the ISO 14001 standard.



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## HEALTH AND SAFETY

At the ChEMK Industrial Group, our long-term success depends upon working to ensure the safety and well-being of our workers and contractors.

We believe that a safe and healthy workplace is a business imperative. Our health and safety policy requires that we minimize the risk of accidents, injuries and exposure to health hazards in our Operations.

Our Health and Safety Management System is certified in accordance with the ISO 18001 standard.





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