

FeSiMn FeMn FeSi



CHIATURMANGANUM GEORGIA
Georgian Ferroalloys

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EURASIA FERRO-ALLOYS 2024

YDD Karagandy Ferroalloy Plant

Production of high quality FeSi

Global presence: Exports to more than 50 countries

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Ferrosilicon and microsilica production using the latest technologies

ASIA FERROALLOYS

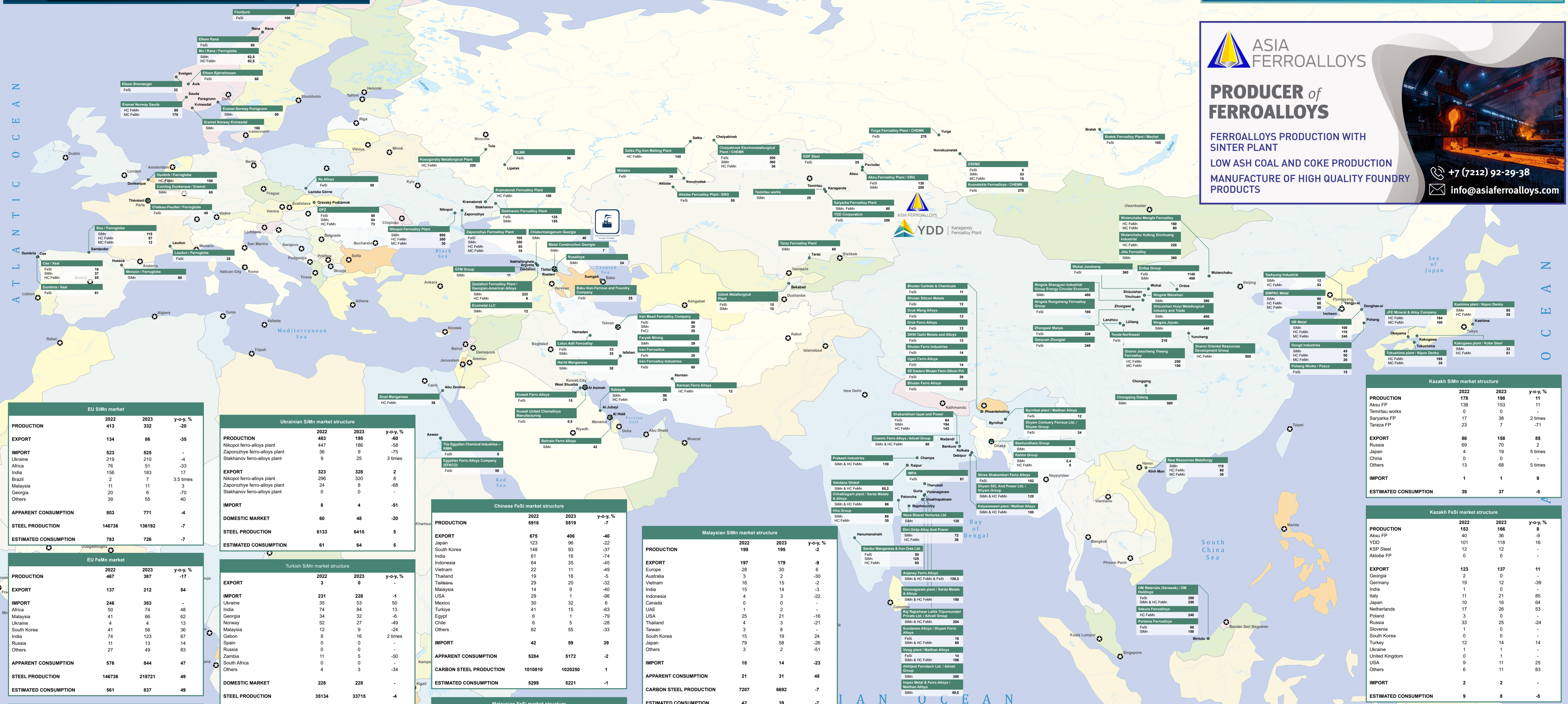
PRODUCER of FERROALLOYS

FERROALLOYS PRODUCTION WITH SINTER PLANT

LOW ASH COAL AND COKE PRODUCTION

MANUFACTURE OF HIGH QUALITY FOUNDRY PRODUCTS

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EU SiMn market

	2022	2023	y-o-y, %
PRODUCTION	413	332	-20
EXPORT	134	86	-35
IMPORT	523	525	-
Ukraine	219	210	-4
Africa	76	51	-33
India	156	163	17
Brazil	2	7	3.5 times
Malaysia	11	11	3
Georgia	20	6	-70
Others	39	55	40
APPARENT CONSUMPTION	803	771	-4
STEEL PRODUCTION	146736	136192	-7
ESTIMATED CONSUMPTION	783	726	-7

Ukrainian SiMn market structure

	2022	2023	y-o-y, %
PRODUCTION	195	483	245
Nikopol ferro-alloys plant	447	186	-58
Zaporozhye ferro-alloys plant	36	9	-75
Stakhanov ferro-alloys plant	9	25	3 times
EXPORT	323	328	2
Nikopol ferro-alloys plant	296	320	8
Zaporozhye ferro-alloys plant	0	0	-68
Stakhanov ferro-alloys plant	0	8	-
IMPORT	8	4	-51
DOMESTIC MARKET	60	48	-20
STEEL PRODUCTION	6133	6415	5
ESTIMATED CONSUMPTION	61	64	5

EU FeMn market

	2022	2023	y-o-y, %
PRODUCTION	467	387	-17
EXPORT	137	212	54
IMPORT	246	383	56
Africa	50	74	48
Malaysia	41	66	62
Ukraine	4	4	13
South Korea	41	56	36
India	74	123	67
Russia	11	13	14
Others	27	49	83
APPARENT CONSUMPTION	576	844	47
STEEL PRODUCTION	146736	218721	49
ESTIMATED CONSUMPTION	561	837	49

Turkish SiMn market structure

	2022	2023	y-o-y, %
EXPORT	3	0	-
IMPORT	231	228	-1
Ukraine	35	53	50
India	74	84	13
Georgia	34	32	-6
Norway	52	27	-49
Malaysia	12	9	-24
Cuba	8	16	2 times
Spain	0	0	-
Russia	0	0	-
Zambia	11	5	-50
South Africa	4	3	-34
Others	4	3	-34
APPARENT CONSUMPTION	228	228	-
STEEL PRODUCTION	35134	33715	-4
ESTIMATED CONSUMPTION	227	218	-4

Chinese FeSi market structure

	2022	2023	y-o-y, %
PRODUCTION	5916	5919	0
EXPORT	675	406	-40
Japan	123	96	-22
South Korea	148	93	-37
India	61	16	-74
Indonesia	64	35	-45
Vietnam	22	11	-49
Thailand	19	18	-5
Taiwan	29	20	-32
Malaysia	14	9	-40
USA	29	1	-96
Mexico	30	32	6
Africa	50	41	-18
UAE	6	1	-79
Egypt	6	5	-28
Chile	82	55	-33
Others	82	55	-33
IMPORT	42	59	39
APPARENT CONSUMPTION	5284	5172	-2
CARBON STEEL PRODUCTION	1010810	1020250	1
ESTIMATED CONSUMPTION	5299	5221	-1

Malaysian SiMn market structure

	2022	2023	y-o-y, %
PRODUCTION	199	195	-2
EXPORT	197	179	-9
Europe	28	30	6
Australia	3	2	-30
Vietnam	16	15	-2
India	15	14	-3
Indonesia	4	3	-22
Canada	0	0	-
UAE	1	2	42
USA	25	21	-16
Thailand	4	3	-21
Taiwan	3	8	16
South Korea	15	19	24
Japan	79	58	-26
Others	3	2	-51
IMPORT	18	14	-23
CARBON STEEL PRODUCTION	7207	6692	-7
APPARENT CONSUMPTION	21	31	48
CARBON STEEL PRODUCTION	7207	6692	-7
ESTIMATED CONSUMPTION	42	39	-7

Malaysian FeSi market structure

	2022	2023	y-o-y, %
PRODUCTION	282	297	5
EXPORT	279	289	4
Europe	0	2	2
Australia	5	3	-43
Vietnam	19	32	72
Indonesia	33	39	16
USA	2	1	-26
UAE	4	34	725
Thailand	5	6	16
Taiwan	24	27	12
South Korea	87	70	-20
Japan	29	38	28
Netherlands	11	9	-18
Italy	2	1	-32
Others	18	27	52
IMPORT	64	36	-45
APPARENT CONSUMPTION	68	44	-35
CARBON STEEL PRODUCTION	7207	6692	-7
ESTIMATED CONSUMPTION	64	59	-7

Malaysian HC FeMn market structure

	2022	2023	y-o-y, %
PRODUCTION	333	378	13
EXPORT	271	285	5
Europe	59	47	-19
Vietnam	3	2	-23
India	4	4	0
USA	72	115	60
Thailand	0	0	-
Taiwan	51	47	-9
Turkey	2	5	15
Japan	9	11	25
Italy	0	0	-
Others	2	15	610
IMPORT	3	2	-23
APPARENT CONSUMPTION	65	95	46
CARBON STEEL PRODUCTION	7207	6692	-7
ESTIMATED CONSUMPTION	86	80	-7

Russian FeSi market structure

	2022	2023	y-o-y, %
PRODUCTION	524	517	-1
IMPORT	382	376	-2
EXPORT	41	44	6
DOMESTIC MARKET	142	142	-
REAL CONSUMPTION	183	186	2
STEEL PRODUCTION	70973	70968	-
ESTIMATED CONSUMPTION	182	182	-

Kazakh SiMn market structure

	2022	2023	y-o-y, %
PRODUCTION	178	198	11
Aksu FP	138	153	11
Ternitau works	0	0	-
Saryarka FP	17	38	2 times
Taraza FP	23	7	-71
EXPORT	86	158	85
Russia	69	70	2
Japan	4	19	5 times
China	0	0	-
Others	13	68	5 times
IMPORT	1	1	9
ESTIMATED CONSUMPTION	39	37	-5

Kazakh FeSi market structure

	2022	2023	y-o-y, %
PRODUCTION	153	166	8
Aksu FP	101	36	-69
YDD	40	118	16
KSP Steel	10	16	64
Aktobe FP	0	0	-
EXPORT	123	137	11
Georgia	2	0	-
Germany	19	12	-39
India	1	0	-
Italy	11	21	85
Japan	10	16	64
Netherlands	17	26	53
Poland	3	0	-
Russia	33	25	-24
Slovenia	1	0	-
South Korea	0	0	-
Turkey	12	14	14
Ukraine	1	1	1
United Kingdom	0	1	1
USA	9	11	25
Others	6	11	83
IMPORT	2	2	-
ESTIMATED CONSUMPTION	9	8	-5

Map symbols:

- SiMn - silicomanganese
- HC FeMn - high-carbon ferromanganese
- MC FeMn - medium-carbon ferromanganese
- FeSi - ferrosilicon

©Idea and realization: Metal Expert

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Not for sale

Note 1. All data on the map and in the charts is in '000 metric tonnes.
Note 2. In India, China and Iran, only key producers of manganese alloys and ferrosilicon are shown on the map.
Note 3. Apparent consumption – production plus imports minus exports.
Estimated consumption – average rate of ferroalloy consumption per 1 ton of steel multiplied by steel production volumes.