2021 AIST Electric Arc Furnace Roundup

Roundup data is based on information submitted in the third quarter of 2020.

Company and location	No. furnaces	Start-up year	Original furnace manufacturer	Furnace type	Tap-to-tap time (min.)	Avg. heat size (metric tons)	Equipped with			Shell diameter (m)
							Sidewall: refractory, panel, spray	Roof: refractory, panel, spray	Oxy-fuel burners	
Argentina										
Aceros Angeletti SA Burzaco, Buenos Aires	1	1990	EME Argentina	—	180	9	—	—	No	2.4
Aceros Zapla SA Palpala, Jujuy	2	—	SMS Siemag	—	150	24	—	—	No	2.9
ArcelorMittal Acindar SA Villa Constitucion, Santa Fe	1	2007	Tenova	—	60	105	—	—	Yes	6.8
	1	2007	Tenova	—	60	105	—	—	Yes	6.8
Gerdau Sipar Perez, Santa Fe	1	2017	Danieli	—	—	74	—	—	—	—
Tenaris Siderca SAIC Campana, Buenos Aires	1 (#4)	1995	Tenova	—	55	80	—	—	—	5.3
	1 (#5)	—	SMS Siemag	—	45	80	—	—	Yes	5.8
Votorantim Acerbrag SA Bragado, Buenos Aires	2	1971	Danieli	—	120	30	—	—	No	—
Australia										
Liberty OneSteel Laverton Steel Mill Melbourne, Victoria	1	1992	Danieli	—	55	83	Panel	Spray	Yes	5.5
Sydney Steel Mill Sydney, New South Wales	1	1982	Fuchs	—	55	84	Panel	Spray	Yes	5.5
Moly-Cop Newcastle, New South Wales	1	2000	Danieli	—	77	57	Panel	Panel	Yes	4.9
Brazil										
Aperam South America Timóteo, Minas Gerais	1	1953	USSC	—	240	32	—	—	No	4.1
	1	1959	SMS Siemag	—	130	29	—	—	No	4.4
Gerdau Açonorte Recife, Pernambuco	1	—	—	—	50	25	—	—	Yes	—
Aços Finos Piratini Charqueadas, Rio Grande do Sul	1	1973	SMS Siemag	—	80	59	—	Spray	Yes	4.9
Cearense Maracanaú, Ceará	1	1982	SMS Concast	—	60	20	—	—	No	3.9
Rio Grandense Sapucaia, Rio Grande do Sul	1	1972, Rev. 1982	Tenova	—	75	73	—	Spray	Yes	5.4
Usiba Simões Filho, Bahia	1	1997	SMS Concast Konus	—	73	21	—	—	No	3.4

* = idled

AC = alternating current; AK = aluminum-killed; D = delta; DC = direct current; DE = direct evacuation; DRI = direct reduced iron; E = elbow; EBT = eccentric bottom tapping; EM = electromagnetic; HBI = hot briquetted iron; HSLA = high-strength, low-alloy; LCAK = low-carbon, aluminum-killed;

Interested in becoming a member of the AIST Electric Steelmaking Technology Committee? Contact Anna Voss at avoss@aist.org.