

NEW PROJECTS AND PERMANENT PLANT SHUTDOWNS

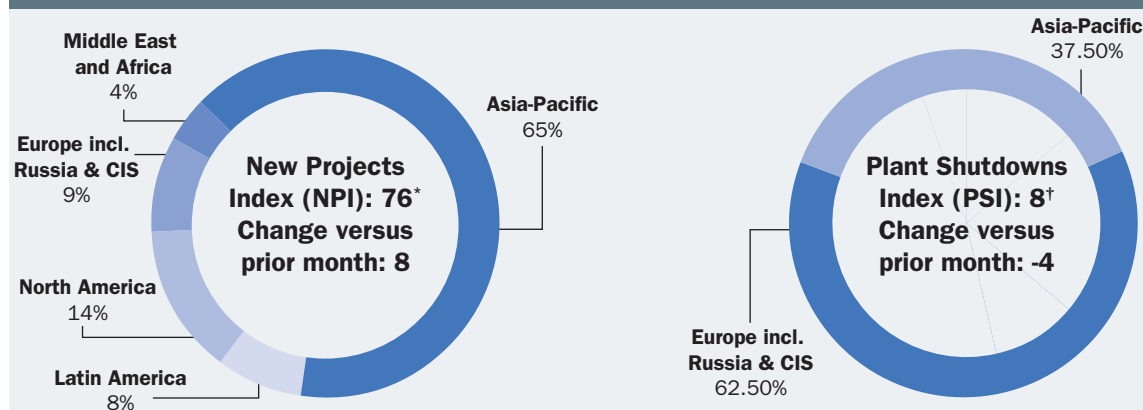
7-12 APRIL 2013

NEW PROJECTS								
Company	Location	Product	Capacity*	Process	Contractor	Cost	Start-up	Status
Dairen Chemical	Jurong Island, Singapore	vinyl acetate	350,000	-	-	-	May 2013	C
Dragon Aromatics	Gulei, Fujian, China	benzene	228,000	-	-	-	Apr 2013	C
		ortho-xylene (OX)	160,000	-	-	-	Apr 2013	C
		para-xylene (PX)	800,000	-	-	-	Apr 2013	C
Guarani/Petrobras	Colina, Sao Paulo, Brazil	ethanol	85,000	-	-	-	-	P
Gulf Packaging Industries	Al-Jubail, Saudi Arabia	polypropylene (PP)	(x) 35,000; 100,000T	-	-	-	Q4 2013	A
Linde Azot Togliatti	Togliatti, Samara, Russia	ammonia	442,200	-	-	-	-	S
Micro Polypet	Panipat, Hararyana, India	polyethylene terephthalate (PET)	216,000	Uhde Inventa-Fischer	Uhde Inventa-Fischer	-	-	P
Mitsubishi Gas Chemical (MGC)	La Brea, Trinidad	dimethyl ether (DME)	100,000	-	-	\$850m	2016	P
		methanol	1m	-	-	-	2016	P
Ningxia Dadi Chemical	Yinchuan, Ningxia, China	polyvinyl alcohol (PVOH)	80,000	-	-	-	end-2013	U
		vinyl acetate	160,000	-	-	-	end-2013	U
Nova Chemicals	Joffre, Alberta, Canada	linear low density polyethylene (LLDPE)	454,000	Nova Chemicals	-	-	late 2015	E
ONGC/Chambal Fertilisers and Chemicals	Tripura, India	urea	1.3m	-	-	Indian rupees 50bn (\$926m)	-	S
Yingkou Kanghui Petrochemical	Liaoning, China	polybutylene terephthalate (PBT)	100,000	-	-	-	Mar 2013	C

PERMANENT PLANT SHUTDOWNS								
Company	Location	Product	Capacity	Process	Contractor	Cost	Shutdown	
Sibur-Neftekhim	Dzerzhinsk, Nizhny Novgorod, Russia	caustic soda	82,000	-	-	-	Apr 2013	
		chlorine	105,000	-	-	-	Apr 2013	
		polyvinyl chloride (PVC)	42,000	-	-	-	Apr 2013	
		vinyl chloride	36,000	-	-	-	Apr 2013	

Notes: *Capacity: figures given in tonnes/year; tonnes/day are converted by multiplying by 330. (x) = expansion; T = total capacity including expansion.
 Start-up: Dates given are for planned start-up. H1 = 1st half year; H2 = 2nd half year; Q1 = 1st quarter; Q2 = 2nd quarter; Q3 = 3rd quarter; Q4 = 4th quarter.
 Status: S = study; P = planned; A = approval; E = engineering; U = under construction; C = completed; D = delayed.

NEW PROJECTS AND PLANT SHUTDOWNS INDEXES, JANUARY - MARCH 2013



*Announced new projects and first mentions on ICIS news. Excludes studies

†Announced permanent shutdowns and first mention on ICIS news. Includes mothballings, but excludes maintenance shutdowns