



Growth continues
in chemical triangle
MARKET OUTLOOK P28

NEW PROJECTS AND PERMANENT PLANT SHUTDOWNS 13-19 APRIL 2013

NEW PROJECTS								
Company	Location	Product	Capacity*	Process	Contractor	Cost	Start-up	Status
Celanese	Clear Lake, Texas, US	methanol	1.3m	-	-	\$500m-1bn	post-Q2 2015	P
Celanese (Nanjing) Chemical	Nanjing, China	ethanol	275,000	-	-	\$300m	mid-2013	A
Dairen Chemical	Jurong Island, Singapore	vinyl acetate	350,000	-	-	-	May 2013	D
Dyno Nobel	Waggaman, Louisiana, US	ammonia	800,000	KBR Technology	KBR Engineering & Construction	\$850m	Q3 2016	A
Gruppo Mossi & Ghisolfi	Corpus Christi, Texas, US	polyethylene terephthalate (PET)	1m	Chemtex International	Sinopec Engineering	-	2016	E
		terephthalic acid	1.2m	Chemtex International	Sinopec Engineering	-	2016	E
Jiangmen Handsome Chemical Development	Yixing, Jiangsu, China	butyl acetate (butac)	80,000	-	-	-	May 2013	C
Nizhnekamskneftekhim (NKNK)	Tatarstan, Russia	acrylonitrile-butadiene-styrene copolymer (ABS)	60,000	-	-	-	Apr 2013	C
Novapet	Barbastro, Huesca, Spain	PET	260,000	-	-	-	-	C
PetroChina Sichuan Petrochemical (PSP)	Pengzhou, Sichuan, China	linear low density polyethylene (LLDPE)	600,000	-	-	-	Jul 2013	C
	Chengdu, Sichuan, China	polypropylene (PP)	450,000	Dow Unipol	Aker Solutions	-	Jul 2013	C
Riyadh Oil Factory	Al-Jubail, Saudi Arabia	linear alkylbenzene	120,000	-	-	-	2017	P
Ruwais Fertilizer Industries (Fertil)	Ruwais, UAE	urea	1.15m	-	Samsung Engineering/ThyssenKrupp Uhde	-	Jun 2013	D
		ammonia	660,000	-	Samsung Engineering/ThyssenKrupp Uhde	-	May 2013	D
Shell	Jurong Island, Singapore	ethylene oxide (EO)	140,000	-	-	-	2014	U
Sibur	Tobolsk, Western Siberia, Russia	ethylene	1.5m	Linde	Linde	-	2017	E
		pp	500,000	LyondellBasell Industries	ThyssenKrupp Uhde	-	post-2017	E
		LLDPE	1.5m	INEOS Technologies	-	-	2017	E
		propylene	500,000	Linde	Linde	-	2017	E
TPC Group	Houston, Texas, US	butadiene	270,000	-	-	-	late 2016	A

PERMANENT PLANT SHUTDOWNS								
Company	Location	Product	Capacity	Process	Contractor	Cost	Shutdown	
SABIC Europe	Gelsenkirchen, Germany	polypropylene (PP)	210,000	-	-	-	-	-
		polyphenylene ether (PPO)	-	-	-	-	-	-

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.

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