



A road map  
for success  
FEATURES P34

## NEW PROJECTS AND PERMANENT PLANT SHUTDOWNS

### APRIL 13–20, 2012

NEW PROJECTS								
Company	Location	Product	Capacity*	Process	Contractor	Cost	Start-up	Status
<b>BASF</b>	Ludwigshafen, Germany	ammonium bicarbonate and ammonium carbonate	(x)30%	-	-	-	early 2013	P
<b>Borouge</b>	Ruwais, Abu Dhabi, UAE	polyethylene (PE) and polypropylene (PP)	(x)2.5m; 4.5mT	-	-	part of \$4.5bn	mid-2014	P
<b>Cabot/Risun Chemicals</b>	Xingtai, China	carbon black	130,000	-	-	\$140m	mid-2013	U
<b>Dow Chemical</b>	Freeport, Texas, US	ethylene	1.5m	-	-	\$1.7bn	2017	P
<b>Etana</b>	Kabardino-Balkariya, Russia	purified terephthalic acid (PTA)	-	-	-	-	2018	P
	Oktyabrskiy, Kabardino-Balkariya, Russia	polyethylene terephthalate (PET)	486,000 (in three stages)	-	-	-	2013–2015	U
<b>Evonik</b>	Taichung, Taiwan	polymethyl methacrylate (PMMA)	(x)25,000; 85,000T	-	-	-	2012	P
	Asia (undisclosed location)	polyamide 12	20,000	-	-	-	2014	P
<b>Fengli Petrochemicals</b>	Puyang, Henan, China	propylene	100,000	heavy oil feedstock	-	-	late 2013	U
<b>Huntsman</b>	Petfurdo, Hungary and Barcelona, Spain	polyurethane (PU) catalysts	-	-	-	-	-	P
<b>Kaneka Corp</b>	Pahang, Malaysia	polyimide film	600 initial capacity	-	-	-	October 2013	U
<b>LCY Chemical</b>	Kaohsiung	PP	250,000–300,000	-	-	-	-	S
<b>Mitsui Chemicals</b>	Singapore	metallocene linear low density polyethylene (MLLDPE)	300,000	-	-	-	-	S
<b>PTT Global Chemical (PTTGC)</b>	Map Ta Phut, Thailand	polymethyl methacrylate (PMMA)	40,000	-	-	-	2015	S
<b>Rhodia/Sibur</b>	Dzerzhinsk, Russia	surfactants	-	-	-	-	2014	P
<b>SABIC</b>	Geleen, The Netherlands	ethylene	(x)	-	Jacobs	-	2013	E
<b>Samsung Total Petrochemicals</b>	Daesan, South Korea	olefins	(x)20,000–30,000; 1.02m–1.03mT	-	-	-	-	S
<b>Shandong Hongxin</b>	Dongying, Shandong, China	maleic anhydride (MA)	(x)40,000; 60,000T	-	-	-	August 2012	D
<b>SK Innovation</b>	Ulsan, South Korea	polypropylene (PP) carbonate resin	-	carbon dioxide and propylene oxide (PO) feedstock	-	-	2015	P
<b>Slovnaft</b>	Bratislava, Slovakia	low density polyethylene (LDPE)	220,000	Tecnimont	Tecnimont	part of €300m	2015	E
<b>Songwon Industrial Group</b>	Bahrain and Abu Dhabi, UAE	one-pack system (OPS) polymer additives	-	-	-	-	-	P
<b>State Oil Company of Azerbaijan (SOCAR)</b>	Sumgait, Azerbaijan	PP and LDPE	-	-	-	-	2014	E
<b>Taita Chemical</b>	Linyuan, Kaohsiung, Taiwan	acrylonitrile-butadiene-styrene (ABS)	(x)	-	-	-	end-2012	P

PERMANENT PLANT SHUTDOWNS							
Company	Location	Product	Capacity	Process	Contractor	Cost	Shutdown
<b>Momentive Specialty Chemicals</b>	Leuna, Germany	formaldehyde	-	-	-	-	June 2012

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.