

## PORTABULK® FILLING SYSTEMS

Goodtech Solutions Porsgrunn

#	Project Name / Customer	Type	Product	Capacity	Country
1	Cherepovets	Net weight system	AN	70 Bags/Hour	Russia
	Shcokino	Net weight system	AMS	70 Bags/Hour	Russia
	Rossosh	Net weight system	AN / NPK	70 Bags/Hour	Russia
	Berezniki	Net weight system	UREA	70 Bags/Hour	Russia
	Kuibyshev	Net weight system	AMS	70 Bags/Hour	Russia
	Togliatti	Net weight system	UREA	70 Bags/Hour	Russia
	Rustavi	Net weight system	AMS	70 Bags/Hour	Russia
	Urakali	Net weight system	KCl	70 Bags/Hour	Russia
	Hydro Supra, Kjøping	Net weight system	AN	70 Bags/Hour	Sweden
10	I.C. Pieni, Trondheim	Net weight system	Grain, fodder	50 T/Hour	Norway
	Hydro Ch. Moss	Gross weight system	UREA	240 T/Shift	Norway
	Hydro Ch. Moss	Small Bags	UREA	360 Bags/Hour	Norway
	Hydro Porsgrunn	Net weight system	CN	600 T/Shift	Norway
	Felleskjøpet, Stavanger	Net weight system	Grain, fodder	50 T/Hour	Norway
	Hydro Fert. Immingham	Net, Modific	NPK	90 T/Hour	UK
	Hydro Fert. Immingham	Net, Modific	NPK	90 T/Hour	UK
	Hydro Fert. Immingham	Net, Modific	NPK	90 T/Hour	UK
	IFI, Belfast	Net weight system	Fertilizer	70 T/Hour	N. Ireland
	HAZ, Montoir	Net weight system	Fertilizer	70 T/Hour	France
20	IFI, Arklo	Net, Modific	Fertilizer	50 T/Hour	Ireland
	Novgorod	Net weight system	AN	70 Bags/Hour	Russia
	Faxealk	Gross weight system	Lime	30 T/Hour	Denmark
	Zaporozhye	Gross weight system	Ferro, alloys	100 T/Hour	Ukraine
	Felleskjøpet, Muruvik	Net, Modific	NPK	60 T/Hour	Norway
	Norsk Hydro, Walch	Gross weight system	NPK	30 T/Hour	Poland
	Comalco, Weipa	Net weight system	Kaolin	70 T/Hour	Australia
	ICI, Gladstone	Gross weight system	AN	60 T/Hour	Australia
	Norcem, Brevik	Gross weight system	Cement	60 T/Hour	Norway
	SOIL Fertility, Ayr	Gross weight system	Fertilizer	60 T/Hour	UK
30	Norsk Hydro, Gdansk	Gross weight system	Fertilizer	60 T/Hour	Poland
	Biomar, Karmøy	Gross weight system	Fish feed	30 T/Hour	Norway
	Demo Brevik	Gross weight system	Free flowing products	20-40 Bags/Hour	Norway
	ABB, Venezuela	Net weight system	Flexi coke	60 T/Hour	Venezuela
	IFI, Belfast	Net weight system	Fertilizer	70 T/Hour	N. Ireland
	IFI, Belfast	4 Pack line	Fertilizer	70 T/Hour	N. Ireland
	Alpharma, Skøyen	Mini system	Chemicals	20-40 Bags/Hour	Norway
	Aitos, Trondheim	Gross weight system	Chemicals	20-40 Bags/Hour	Norway
	HAE, Brunsbittel	Net weight system	Fertilizer	70 T/Hour	Germany
	Olivin, Åheim	Cement system	Sand	20-40 Bags/Hour	Norway
40	Olivin, Åheim	Net weight system	Sand	20-40 Bags/Hour	Norway
	HAI Guatamala	Conveyor system	Fertilizers	20-40 Bags/Hour	Guatamala
	Codelco, Chile	Gross weight system	Molibdenum Oxide	30 T/Hour	Chile
	Bulpkakindo	Gross weight system	Calciate, clay	20 T/Hour	Australia
	Elkem, Muruvik	Net weight system	Fertilizer	70 T/Hour	Norway
	DLG, Hasselager	Net weight system	Grain, seed	70 T/Hour	Denmark
	EIP, Herrera Amenabar	Mini system	Fertilizer	30 T/Hour	Chile
	Hydro Barletta	Net weight system	Fertilizer	60 T/Hour	Italy
	Lafarge Redland	Net weight system	Dolomit	100 T/Hour	UK
	Biomar, Karmøy	Gross weight system	Fish feed	30 T/Hour	Norway
50	Hydro Kjøping	Net weight system	FVPK	70 T/Hour	Sweden
	Hydro Kjøping	Net weight system	NPK	70 T/Hour	Sweden
	Hydro Chile	Mini system	Fertilizer	30 T/Hour	Chile
	VM-Hydro Årdal	Gross weight system	Kragemasse	32-34 T/Hour	Norway
	KFK - Randers	Gross weight system	Fertilizer	40 T/Hour	Denmark
	Wijnveen - Biomar, Myre	Gross weight system	fish-feed	35 T/Hour	Norway
	Fiskå Mølle, Tau	Mini system	Animal feed	20 T/Hour	Norway
	PVC, Hydro Porsgrunn	Gross weight system	PMMA	20 T/Hour	Norway
	Biomar - Karmøy	FAB Net weight	Fish feed	30 T/Hour	Norway
	Biomar - Karmøy	FAB Net weight	Fish feed	30 T/Hour	Norway
60	Carrs Fertilizers, Runcorn	Net weight system	Fertilizer	60 T/Hour	UK
	Carrs Fertiliser, Silloth	Net weighing system	Fertilizer	60 T/Hour	UK
	Carrs Fertilizer, Silloth	Net weight system	Fertilizer	70 T/Hour	UK
	PDVSA, Amuay	Net weight system	Flexi coke	50 T/Hour	Venezuela
	Carrs Fertilizers, Glasgow	Net weight system	Fertilizer	60 T/Hour	UK
	Densit, Aalborg	Cement system	Cement	20 T/Hour	Denmark
	Ewos - Bergneset	FAB Net weight	Fish feed	30 T/Hour	Norway
	Ewos - Bergneset	FAB Net weight	Fish feed	30 T/Hour	Norway
	Norensacados, Porto Cabello	Mini Fst.w/ bulk conv.	Contract bagging	50 Bags/Hour	Venezuela
	Salt Union, Runcorn, UK	Mini system	Salt	50 T/Hour	UK

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70	JPM (John Parsons Marketing)	Upgrade	Fertilizer	50 T/Hour	UK		
	Balakovskije M-F, Balakova	Mini system	Fertilizer	min. 20 T/Hour	Russia		
	Felleskjøpet, Verdal	Net weight system	Fertilizer	70 T/Hour	Norway		
	Felleskjøpet, Rogaland - Agder	Mini system	Animal feed	40 T/Hour	Norway		
	M.S.P. Berwick on Tweed	Upgrade, net weight	Fertilizer	60 T/Hour	UK		
	King's Lynn Bagging & Handling	Upgrade, net weight	Fertilizer	60 T/Hour	UK		
	Carrs Fertilizers, Runcorn	Mini system	Fertilizer	60 T/Hour	UK		
	Forforedling AB, Levanger	Mini system	Grass- /wood- pellets	20 T/Hour	Norway		
	JSC, Ammophos, Cherepovets	Net weight system	Fertilizer	60 Bags/Hour	Russia		
	JSC, Ammophos, Cherepovets	Net weight system	Fertilizer	60 Bags/Hour	Russia		
	JSC, Ammophos, Cherepovets	Net weight system	Fertilizer	60 Bags/Hour	Russia		
	Acheson & Glower, N. Ireland	Gross weight system	Lime	60 Bags/Hour	N. Ireland		
	Nordisk Korn a/s, Moss Terminal	Gross weight system	Fertilizer	100 Bags/Hour	Norway		
	OAQ Bassol, N. Baskuntchak	Net weight system	Salt	60 Bags/Hour	Russia		
	OAQ Bassol, N. Baskuntchak	Net weight system	Salt	60 Bags/Hour	Russia		
	80	Stroy Minerals	Gross weight system	Mineral	60 Bags/Hour	Russia	
		Randers Møllebyggeri	Net weight system	Fertilizer	90 Bags/Hour	Denmark	
Soliletsk Salt		Net weight system	Salt	60 Bags/Hour	Russia		
OAQ Bassol, N. Baskuntchak		Net weight system	Salt	60 Bags/Hour	Russia		
90		Nitrogenművek	Net weight system	AN / CAN	80 Bags/Hour	Hungary	
		Nitrogenművek	Net weight system	AN / CAN	80 Bags/Hour	Hungary	
		Kemerovo	Net weight system	AN	60 Bags/Hour	Russia	
		Novomoskovsk	Net weight system	Fertiliser	60 Bags/Hour	Russia	
		Balakovo	Net weight system	Fertiliser	min. 20 T/Hour	Russia	
		Biomar Karmøy	Net weight system	Fish feed	50 T/Hour	Norway	
		Yara Köping	FAB Net weight	AN	100 Bags/Hour	Sweden	
		Yara Köping	FAB Net weight	AN	100 Bags/Hour	Sweden	
		Silvinit	Net weight system	Salt	60 Bags/Hour	Russia	
		Silvinit	Net weight system	Salt	60 Bags/Hour	Russia	
		Silvinit	Net weight system	Salt	60 Bags/Hour	Russia	
		100	Brødr. Sunde	Gross weight system	Sundolitt - PS	60 Bags/Hour	Norway
			Balakovo	Net weight system	AN	60 Bags/Hour	Russia
	Police		Net weight system	Fertilizer	120 Bags/Hour	Poland	
	Ewos Florø		FAB NWF	Fish feed	60 Bags/Hour	Norway	
	Ewos Florø		FAB NWF	Fish feed	60 Bags/Hour	Norway	
	Ewos Florø		FAB NWF	Fish feed	60 Bags/Hour	Norway	
Carrs Fertilizer	Net weight system		Fertiliser Blends	120 Bags/Hour	UK		
Felleskjøpet Holstad	FAB Net weight		Grain, seed	100 Bags/Hour	Norway		
Arikom	Net weight system		Ilminitt	100 Bags/Hour	Russia		
Arikom	Net weight system		Ilminitt	100 Bags/Hour	Russia		
110	Voskresinsk		Net weight system	Fertiliser	60 Bags/Hour	Russia	
	Panpac - Biomar		Net weight system	Fish feed	20 - 40 T/Hour	Denmark	
	Panpac - Biomar		Net weight system	Fish feed	20 - 40 T/Hour	Denmark	
	Voskresinsk		Net weight system	Fertiliser	60 Bags/Hour	Russia	
	Norcem, Brevik		Upgrade to NWF	Cement	80 T/Hour	Norway	
	Densit, Aalborg		Upgrade	Cement	25 T/Hour	Denmark	
	Biomar Myre		FAB NWF	Fish feed	min. 30 T/Hour	Norway	
	Biomar Myre	FAB NWF	Fish feed	min. 30 T/Hour	Norway		
	Azomures SA	NWF	AN	70 T/Hour	Romania		
	120	Azomures SA	NWF	NPK	70 T/Hour	Romania	
		Felleskjøpet Kambo	FAB	Fertiliser	75 T/Hour	Norway	
		Felleskjøpet Kambo	FAB	Fertiliser	75 T/Hour	Norway	
		OAQ Ammophos	Upgrade	Fertiliser	90 T/Hour	Russia	
		OAQ Ammophos	Upgrade	Fertiliser	90 T/Hour	Russia	
		OAQ Ammophos	Upgrade	Fertiliser	90 T/Hour	Russia	
		OAQ Ammophos	Upgrade	Fertiliser	90 T/Hour	Russia	
		Havsbrun	NWF/Upgrade	Fish feed	60 T/Hour	Faeroes	
IBC International		NWF	Fertiliser	80 T/Hour	Sweden		
Sibur Angarsk		NWF	AN	80 T/Hour	Russia		
130		OCP, Safi	GWF	Phosphate	35 T/Hour	Morocco	
		OCP, Safi	GWF	Phosphate	35 T/Hour	Morocco	
		OCP, Safi	GWF	Phosphate	35 T/Hour	Morocco	
		OCP, Safi	GWF	Phosphate	35 T/Hour	Morocco	
		Nitrogenművek	NWF	CAN	70 T/Hour	Hungary	
		Nitrogenművek	NWF	Urea	50 T/Hour	Hungary	
		I/S Felleslager	NWF/Upgrade	Fertiliser	70 T/Hour	Norway	
	Ewos Bergneset	FAB	Fish feed	80 Bags/Hour	Norway		
	Police	NWF	Fertiliser	120 Bags/Hour	Poland		
	Metachem, Ammophos	NWF	Fertiliser	70 Bags/Hour	Russia		

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140	Metachem, Ammophos	NWF	Chemicals	60 Bags/Hour	Russia
	Timac	PWS	Fertiliser	70 T/Hour	France
	Anwil	GWF	Fertiliser	60 Bags/Hour	Poland
	Anwil	GWF	Fertiliser	60 Bags/Hour	Poland
	Havsbrun	FAB upgrade	Fish feed	60 Bags/Hour	Faeroes
	Azomures SA	NWF	Fertiliser	80 T/Hour	Romania
	Nitrogenművek	FAB NWF	AN	90 T/Hour	Hungary
	Nitrogenművek	FAB NWF	CAN	>100 T/Hour	Hungary
	Tarnow	NWF	Fertiliser	70 T/Hour	Poland
	Tarnow	Upgrade NWF	Fertiliser	60 T/Hour	Poland
150	Fosfory	NWF	Fertiliser	70 T/Hour	Poland
	Visnes Kalk	FAB GWF	Minerals	60 T/Hour	Norway
	Haver & Boecker	NWF	Fertiliser	60 T/Hour	Nigeria
	Sibelco	NWF/Upgrade	Minerals	40 T/Hour	Norway
	Biomar	FAB NWF	Fish feed	40 T/Hour	Norway
	Azomures SA	NWF	Fertiliser	80 T/Hour	Romania
	Police	NWF	Fertiliser	60 T/Hour	Poland
	Tarnow	NWF	Fertiliser	>60 T/Hour	Poland
	Felleskjøpet Verdal	FAB NWF	Fertiliser	>80 T/Hour	Norway

FAB - Fully Automated Bagging  
 GWF - Gross Weighing System  
 NWF - Net Weighing System  
 PWS - Portabulk Welder & Stretcher