

Presentation- 2012
SAFINA PROJEKTY Group

Brief History:

- ◆ 5.6.2009 Aquisition of TECHNOEXPORT, a.s. by Chemoprojekt, a.s.
- ◆ 1.7.2010 Establishment of SAFINA Service a.s. from financial branches of Chemoprojekt, a.s. and TECHNOEXPORT, a.s.
- ◆ 1.10.2010 Human Resources transfered from Chemoprojekt, a.s. to SAFINA Service a.s.
- ◆ 1.1.2011 Establishment of CHEMOPROJECT NITROGEN a.s. from Chemoprojekt, a.s. product line Nitric Acid and Urea
- ◆ 1.1.2011 signed agreement among Chemoprojekt, a.s., TECHNOEXPORT, a.s., CHEMOPROJECT NITROGEN a.s. and SAFINA Service a.s. to create SAFINA PROJEKTY Group
- ◆ 17.5.2011 Implementation of Chemoprojekt, a.s. integrated management system to all SAFINA Service Group and assesment by Lloyds Register of Quality Assurance.

Present:

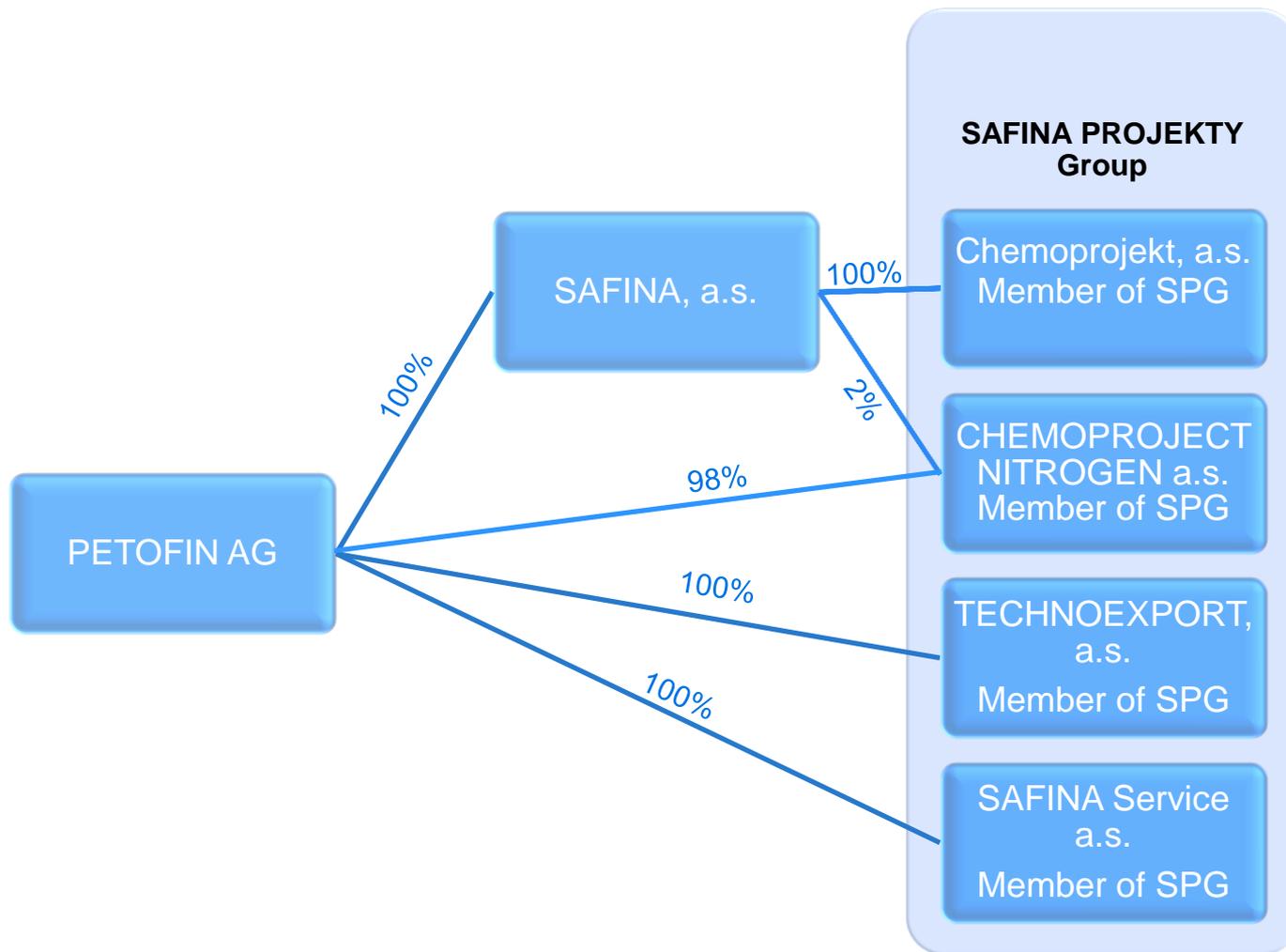
- ◆ One of the most potential Group of engineering companies in the Czech Republic .
- ◆ The owner: SAFINA, a.s., (100%), the main activity of which is processing of precious metals and their utilization in industry
- ◆ Branches in the Czech republic: Prague, Litvínov, Brno
- ◆ Agencies abroad (in participation with SAFINA, a.s.) : Slovakia, Belorussia, Russian Federation, Romania, Iraq, Syria, China
- ◆ EPC service (engineering, procurement, construction), complex after sale service
- ◆ Business activities – from consulting service and feasibility studies, to „turn-key deliveries

Parameter				
Year	2009	2010	2011	2012
Average number of employees	314	266	239	213
New projects (in 1000 EUR)	29 760	22 200	68 120	
Revenue from sales (in 1000 EUR)	136 920	94 481	55 113	

Splitting by disciplines (as to 30.6.2012)

Discipline	DIRECT	TOTAL (inc. INDIRECT)
PROJECT MANAGERS AND ENGINEERS	16	16
PROPOSAL MANAGER, MARKETING	7	9
PROJECT SECRETARIES AND ASSISTENTS	9	17
ESTIMATION AND COST CONTROL	5	5
PROJECT SCHEDULING	2	2
COST CONTROLLING	2	2
QUALITY ASSURANCE	2	3
PROCUREMENT	11	11
INSPECTION	4	4
CONSTRUCTION	2	2
PROCESS	19	20
PIPING, LAYOUT AND EQUIPMENT	34	34
CIVIL ENGINEERING	25	25
ELECTRICAL AND INSTRUMENTATION	14	14
EXECUTIVE	6	12
LEGAL	0	2
FINANCIAL	6	6
ACCOUNTING	10	12
SERVICES	4	12
SOFTWARE AND COMMUNICATION	0	2
STAFF TOTAL	178	210

SAFINA PROJEKTY Group (SPG)



Product Strategy:

Chemoprojekt, a.s.

- ◆ Natural Gas, Butadiene
- ◆ Pipelines, Tank Farms
- ◆ Water Treatment
- ◆ Incinerators, Plasma Technology
- ◆ Off- sites

CHEMOPROJECT NITROGEN a.s.

- ◆ Chemistry of Nitrogen, Nitrogen Fertilizers, NA, AN, LDAN, CAN, UAN
- ◆ Monomethylaniline, Aniline
- ◆ Urea, Ammonia

TECHNOEXPORT, a.s.

- ◆ Food, Breweries, Sugar Plants
- ◆ Bio-fuels
- ◆ Refineries
- ◆ Energy

Territorial strategy:

Territorial strategy group of companies as a result of integration into the SAFINA Group include new foreign markets with the support of all the forms of representation of all members of the SAFINA Group.

Strategic areas with references of SAFINA PROJEKTY Group:

- Russia, Belarus, Lithuania, Kazachstan, Uzbekistan
- European Union: CR, SR, Poland, Hungary, Bulgaria, Romania
- Middle East: Iraq, Syria, Egypt, Libya, Turkey, Tunisia, Ethiopia
- Far East: China
- Australia, USA

Strategic perspective areas:

- Balkans: Serbia, Croatia, Bosnia, Herzegovina, Macedonia
- Ukraine, Middle Asia
- Latin America
- Eastern Africa
- Vietnam/ Sri Lanka/ Pakistan

Information Technology:

CAD system (based on **Siemens, Integraph, AVEVA, AutoDesk** products):

- Comos (FEED, E/I, P&ID, PipeSpec), SmartPlant (P&ID, Instrumentation, Electrical), PDS, PDMS 3D, Advance Steel, Advance Concrete, REVIT, SmartSketch, Microstation, Autocad

Engineering calculations:

- Chemcad, CCTERM, MICROPROTOL (ASME, ADMerkblatter), CAESAR II, SCIA Engineer, ETAP

Office system (based on **Microsoft** products):

- MS WINDOWS, MS Office, MS Project

Communication channels:

- ON-LINE: WAN Prague-Litvínov, Prague-Brno, Prague-construction sites, Internet
- www.chemoprojekt.cz, Microsoft Exchange+OWA
- Videoconferences Office 365, webinars

Nets:

- MS Windows server

Information system:

- IS INFOS 2001, Codexis, Intranet, Public folders MS Exchange

PROJECTS IN PROGRESS:

Description- Capacity (MTPD)	State	Contractor	Customer	Licence
WNA 900, AN 1143 Australia	Australia	CHP/CHPN	Orica	GPN
Urea Granulation Unit– 2 x 2000 NA Unit– 1500 AN Unit– 1905 UAN Mixing– 4545 NA and Process Condensate Storage Cooling Tower Unit	USA	CHPN	CF Industries Inc.	STAC GPN GPN GPN - -
Urea Intensification 1400 Grodno	Belarus	CHP	AZOT Grodno	STAC
Urea 1500 Tcherepovets	Russia	CHP	JSC Cherepovetsky AZOT	STAC
ANS1250 Agropolychim	Bulgaria	CHP	Agropolychim, JSC	GPN
LDAN 900, HDAN 900 Novomoskovsk	Russia	CHP/CHPN	OAO NAK AZOT	Espindesa
ANS 1200 Belorecensk	Russia	CHP	Eurochim	Espindesa
Urea Revamp 900 Šala	Slovakia	CHP	Duslo Šala	STAC

PROJECTS IN PROGRESS:

Description- Capacity	State	Contractor	Customer	Licence
Kemerovo study	Russia	CHP	Sibur	
Ammonia Tank 2x 1000 m3 (A+B) renewal	CR	CHPN	Lovochemie, a.s.	VÍTKOVICE POWER ENGINEERING a.s.
Isomeration 1450 Basrah	Iraq	CHP	Hydro Carbon Supply Jordan	UOP
HFS- supply and supervision Kazakhstan	Kazakhstan	CHP	FOSFA akciová společnost	FOSFA
Crude Distillation Unit Daura I., II. Refinery 70 000 BPSD	Iraq	TEX	Midland Refinery Company Daura	
Crude Distillation Unit 70 000 BPSD- Basrah	Iraq	TEX	South Refinery Company Basrah	

RECENT KEY PROJECTS:

Description- Capacity	State	Contractor	Customer	Licence
NA 8 Rouen 1500 MTPD	FR	CHP/CHPN	GPN	GPN
WNA 660 Kazinbarcika	HU	CHP	BorsodChem Ltd.	GPN
ZAK Fertilizer NA (900 t/d); ANS (1800 t/d)	PL	CHP	ZAK S.A.	GPN
Biodiesel Plant 100 kt/ year	ČR	CHP	MEROCO, a.s.	Desmet Ballestra
Biodiesel Plant 100 kt/ year	ČR	CHP	PREOL, a.s.	Desmet Ballestra
Light Naphta Isomeration Unit for Salahuddin Refinery- Baiji 19 960 BPSD	Iraq	TEX/CHP	North Refinery- Baiji	Axens
Reforming Basra 10 000 BPSD	Iraq	CHP	Unis, a.s.	Axens
Liquid Ammonia Storage and Unloading Unit – Kazincbarcika 2000 t/year	HU	CHPN	BorsodChem Ltd.	

Nitric acid unit NITROGÉN MŰVEK, Rt., Hungary



Basic Data:

CLIENT:	Nitrogénművek, Rt., Hungary
CAPACITY:	1500 MTPD
DELIVERY:	EPC (Engineering, Procurement, Construction), start-up
PROCESS:	60% nitric acid, two-pressure process
PROCESS LICENCE:	GPN, France
STRAT-UP:	2007

FAME unit, Preol, a.s. (AGROFERT Holding) Lovosice, Czech Republic



Basic Data:

CLIENT:	Preol, a.s. (AGROFERT Holding) Lovosice, Czech Republic
CAPACITY:	100 kt/year
DELIVERY:	FAME unit
PROCESS:	Oil mill – pressing and extraction unit for capacity 400 kt rapeseed/ year. Chemical neutralisation for vegetable oil. Threestage continual esterification of neutralised oil to methyl ester based on Desmet Ballestra technology. Chemoprojekt provides this project as turnkey including all the needed off-sites.
PROCESS LICENCE:	Desmet Ballestra
START-UP:	2010

Nitric Acid, Grande Paroisse, Grand Quevilly, Rouen, France



Basic Data:

CLIENT:	Grande Paroisse, Grand Quevilly, Rouen, France
CAPACITY:	1 500 MTPD
DELIVERY:	Turn-key supply of a plant for the production of 62% nitric acid
PROCESS:	Production is consumed for nitric fertilizers manufacturing. Project works on the FEED (Front End Engineering Design) have started together with selection procedure for supply of equipment with the long term delivery.
PROCESS LICENCE:	GPN
START-UP:	2009

Isomerization Unit for Salahuddin Refinery- Baiji, Iraq



Basic Data:

CLIENT:

North Refineries Co.- Baiji/ Iraq

CAPACITY:

19 660 BPSD

DELIVERY:

Completion of the Isomerization Unit

PROCESS:

Appraisal of existing status of the Project, Inspection of already delivered equipment, Re-elaboration of Detailed engineering, Procurement and Manufacturing of all remaining equipment, Transportation, Supervision of Construction and Commissioning

START-UP:

2011

Urea unit ZAO FOSAGRO AG. Cherepovetz, Russian Federation



Basic Data:

CLIENT:

JSC Cherepovetsky AZOT, Russia

CAPACITY:

1500 MTPD

DELIVERY:

EP project

PROCESS:

license

Urea unit- scope of Chemoprojekt, a.s. work includes procurement of and know-how from Dutch co. Stamicarbon BV, complete engineering activities thru basic design, detailed design, procurement of unit equipment and supervision of construction and commissioning of the unit.

PROCESS LICENCE:

Stamicarbon

Thank you for your attention

Contact Address:

Chemoprojekt, a.s.
CHEMOPROJECT NITROGEN a.s.
TECHNOEPORT, a.s.
SAFINA Service a.s.

Třebohostická 14
100 31 Praha 10
Czech Republic
Tel: +420 261 305 201
www.chemoprojekt.cz

Subsidiary CHP in Litvínov

Tel.: +420 476 762 520
Fax: +420 544 520 044
E-mail: jvostarek@chemoprojekt.cz

Subsidiary TEX, CHP in Brno

Tel.: +420 544 520 004
Fax: +420 544 520 036
Mobil: 733 690 303
Email: ivlachova@chemoprojekt.cz