

CONSORTIUM
**KZU HOLDING
GROUP**



YOUR RELIABLE PARTNER IN

**CONSULTING ♦ ENGINEERING ♦
MANUFACTURE AND ERECTION
OF STEEL STRUCTURES ♦
SUPERVISION ♦ TRADING**



Consortium

KZU HOLDING GROUP

company profile

The company was established in 1992 in Prague, Czech Republic, as a holding structure where major owner is Dr. Eng. Marin Beloev. Under his management in 1966 was established the state company for welding and testing, which was a leader in the field of welding engineering and welded structures till 1992.

After 1992 the major part of the engineering personnel was transferred to the newly established 100% private company and successor of the experience and know-how of the old company.

The activity of our company is in the following main fields:

- Large scale cylindrical storage tanks for all types of services,
- Industrial pipelines and facilities for chemical and metallurgical plants,
- Tank farms for storage, blending and transport of petrol and chemical products,
- Pipeline compressor stations,
- Pressure vessels,
- Steel structures pipe racks,
- Ducts and facilities for power stations;
- Boilers and heat exchangers
- Facilities for production and handling of cement and lime,
- Civil and industrial construction activities with steel structures,
- Project management as well as quality control of erection and welding activities
- NDT and evaluation of the status of welded structures, vessels, pipelines with the Acoustic Emission Method (AE)

In the consortium is working specialized production facility with modern fabrication equipment for steel structures and vessels.

CERTIFICATES:

The production and the personnel are certified according to EN ISO 9001, TUV (HP0) SLV (DIN 18800-7) for steel structures and pressure vessels.

The company has highly trained personnel as it is described hereunder. Five of our engineers are certified by International Institute of Welding

KZU HOLDING GROUP

company profile

GEOGRAPHY OF OUR BUSINESS:

The Consortium have completed projects in:

- Germany,
- Czech Republic,
- Greece
- Syria,
- Sudan
- Bulgaria

Where we have gained vast experience in construction of storage terminals and facilities, fabrication and erection of unique structures, process equipment, pump stations and pipelines.

Members of the Consortium has the following activities:

1. KZU GROUP LTD, Prague – legal representative of the Consortium, contracting , trading and manufacturing of steel structures and facilities.
2. KZU GROUP ENGINEERING LTD. – Consulting, design, welding engineering, NDE.
3. SILOTEH – BUL LTD. – construction and equipment of projects for processing of agriculture products, grain silos and live stock.
4. TERA – BM LTD – civil building of apartment and office houses, installation works in industrial projects.
5. TANK OIL LTD. – Equipment of petrol and gas terminal.

References

No	Description of the Project	Investor / Client	Year of completion
1	Three underground storage tanks 6500 m ³ each for gasoline.	Ceska Rafinerska Litvinov, Czech Republic.	1992
2	Tank farm, consisting of 3 storage tanks 40 000 m ³ each and 1 tank 80 000 m ³ with double bottom and cup all with floating roofs with pump station.MERO IKL, Vohburg, Germany1995	MERO IKL, Vohburg, Germany	1995
3	One tank of 40 000 m ³ with double bottom.	SUGAR RAFINERY PFEIFER & LANGEN, Appeldorn, Germany	1995
4	Two tanks for molasses of 35 000 m ³ each and two tanks of 3 000 m ³ each.	SUGAR RAFINERY JULICH, Germany	1996
5	Two tanks with double bottom of 25 000 m ³ each.	OILTANKING/NOELL in Gera, Germany.	1996
6	Storage tanks with fixed roof, cup and double bottom for: - 3 pcs. volume 5 000 m ³ -for fuel oil- 3 pcs. volume 2 000 m ³ - for fuel oil- 2 pcs. volume 1 000 m ³ - for fuel oil- 1 pcs. volume 1 600 m ³ - for fuel oil- 1 pcs. volume 500 m ³ - for fuel oil- 8 pcs. volume 360 m ³ - for petrol products and pipe connections.	ČESKA RAFINERSKA AS Czech Republic	1995-1999
7	Storage tank of volume 3 000 m ³ with fixed roof, cup and double bottom for waste waters.	CHEMOPETROL AS - Litvinov, Czech Republic	1996
8	Storage tanks with fixed roof, cup and double bottom: with pipelines and pump stations; 4 Pcs. x 10 000 m ³ for petrol products.	CEPRO AS-Tremoshna near Pilsen, Czech Republic	1997
9	Storage tanks with volume 10 000 m ³ , with fixed roof, cup and double bottom - 11 pcs. for - for petrol products with pipelines and pump stations	CEPRO AS - Cerekvice nad Bystrici, Czech Republic	1999-2000

References

10	Warehouse for BMW Wackersdorf, Germany	Stahlbau Wolf Rosenheim, Germany	1997
11	Cement silos in 4x500 t. capacity Bosnia and Herzegovina	Plena, Bulgaria	1998
12	Forum roof of the Munich airport center West. Pipe trusses 25 m. long. See picture enclosed	Forum roof of the Munich airport center West	1998
13	1 x 5000 m3 for BTX fraction in Litvinov, Czech Republic -	Chemopetrol SA Litvinov	2001
14	Kerosene storage tank 12000 m3, at Munich airport	JPM Ingenieurtechik, Germany	2001
15	Filling station	Chemopetrol SA Litvinov	2002
16	Storage tank farm 10x33 000 m3 for Banias Refinery Company	BUTEC SAL, Lebanon	2003-2004
17	Pumping stations for transitions pipelines	Ukraine	1997-2002
18.	MELUT BASIN OIL DEVELOPMENT PROJEC design, fabrication of 7 x 52166 m3. Design of storage tanks for Field Production Facility & Central Processing Facility.	PETRODAR/RPJV	2004-2005
19.	Prefabrication of steel structures for 2 storage tanks for crude oil with single capacity of 50000 m3	LUKOIL BULGARIA	2005
20.	Design fabrication and erection of steel roof structure for warehouse	Intercom Group	2005-2006
21.	Production of boiler	Promishlena Energetika AD	2005
22.	Production of absorber D=1850 mm H=10000 mm and ammonia tank	Agropolychim	2006
23.	Production of steel masts for Motor Vessel	Bulyard	2006

References

BUTEC

R.C. 17015/66 BEIRUT



ISO 9001 : 2000

008

To Whom It May Concern

Subject: **BANIAS RAFINERY COMPANY PROJECT**
For Supply, Construction, Commissioning and Start-up of
10 Petroleum Storage Steel tanks with capacity 33000 m3 each
(8 tanks with floating roof and 2 with fixed roof)

This is to confirm that **KZU HOLDING Ltd.-Branch Sofia** , 12 "Hristo Vakarelski" street, 1700 Sofia-Bulgaria as our Subcontractor for the Basic Design, Shop Drawings and Manufacturing of Steel plates and structures of 10 Storage Steel Tanks, has executed his works related to the above indicated Project.

During the implementation of Project we have had the opportunity to view and to assess the performance and capability of KZU HOLDING staffs and manufacturing facilities and are in position to state the following:

1. KZU design engineers, according to the Client technical specification, standards and the requirements of BUTEC project control engineers, have performed basic design and shop drawings ahead of time schedule.
2. Tanks details and structures have been manufactured in KZU factory with accordance to the approved drawings and under control effected by KZU, BUTEC and CLIENT Engineers. The manufacturing and package of Tanks detail and structures have been done without any mistakes, which could confuse the erection works at site.
3. KZU and BUTEC Project Management have worked in close relation and cooperation in order to respect the delivery schedule and good performance of the erection of Tanks according to the contract obligations between BUTEC and the Client.

In conclusion we would like to confirm also, that KZU Holding Ltd. are a credible partner, who respect strictly the Contract agreements.

Nizar Younes
Chairman of the Board

References

Our Ref: C2099A/REC/CD/KZU/9003/005-04
Sub-Contract No : C2099A/9003/04

12th August 2006



TO WHOM IT MAY CONCERN

Dear Sir,

PROJECT : MELUT BASIN OIL DEVELOPMENT PROJECT (UPSTREAM)
ENGINEERING, PROCUREMENT, CONSTRUCTION AND COMMISSIONING
(EPCC) FOR AL-JABALAYN CENTRAL PROCESSING FACILITIES, PALOGUE FIELD
PRODUCTION FACILITIES,
OPERATIONS BASE CAMPS AND PRODUCED WATER PIPELINE

OWNER : PETRODAR OPERATING COMPANY LIMITED

EPCC CONTRACTOR : RANHILL INTERNATIONAL INC. PETRONEEDS SERVICES INTERNATIONAL JV

SUBJECT : LETTER OF REFERENCES

We, Ranhill International Inc do hereby take pleasure in issuing this letter of reference with regards to the above project and to confirm that KZU GROUP LTD., 12, "Prof. Hristo Vakarelski" str., 1700 Sofia, Bulgaria member of Consortium KZU HOLDING GROUP as our Subcontractor, performed the following works:

1. Complete design of 40 storage tanks with capacity from 31.8 m³ to 52 166 m³ for Al-Jabalayn Central Production Facility and Palogue Field Processing Facility. All storage tanks were designed according to API 650 standard.
2. Shop fabrication of the steel structures of seven storage tanks with unit capacity of 52 166 m³ with total weight 5269 tons.

As a conclusion we would like to emphasize that KZU GROUP LTD is a credible partner who keeps strictly to their contract obligations and has performed all works with due diligence and efficiency in accordance with accepted practices recognized by the international bodies.

Yours faithfully,
For and on behalf of,
Ranhill International Inc. / Petroneeds Services International Joint Venture


JOHN C SPLITT
SENIOR COMMERCIAL MANAGER

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PRODUCTION CAPABILITIES

KZU Holding is a company with vast production experience, which is based on the big number of projects that we have constructed.

Nowadays we have two own production factories. The strong competitive environment and our exacting, partners and the short terms for delivery require to be closer to the client. That's why we have made our facilities in a way to be closer to the central European and Bulgarian clients.

The factory for steel structures in Varna Bulgaria is situated in the Western Industrial zone of the city. We have very well developed infrastructure and close connection to the port of Varna, railway and road connections are available next to the factory. The factory is equipped with the brand new steel working machines which gives us the opportunity to manufacture wide range of steel structures, vessels and process equipment. The annual output of the factory could reach 13000 tons, depending of the type of the structures.

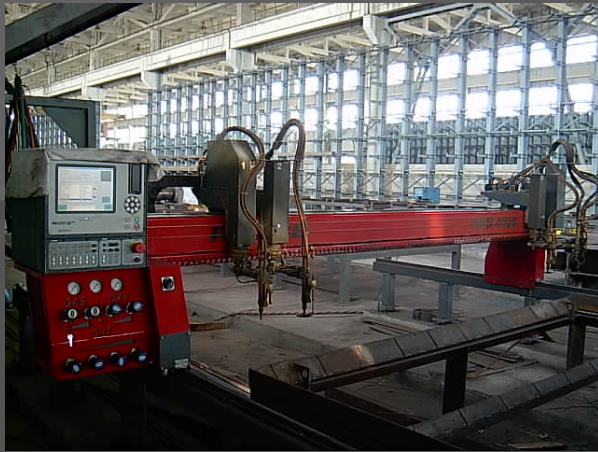
The second factory is in the city of Chomutov, Czech Republic. It has similar capabilities as in Varna.

Main machines	Capacity
4 rolls hydraulic plate bending machine with CNC	3000x30 mm
Band saw	Ø330 & 400 mm
Hydraulic guillotine shear	3100x16 mm
Oxy fuel portal cutting machine with CNC	12000x4500 mm
Horizontal drilling machine	
Radial drilling machine	
MAW machines	
SMAW machines	
SAW machine	
ESAB welding column with boom	
Oxy fuel copy cutting machine	
Lathes/milling machines	
Shot blasting and automatic painting line	3000 mm wide x 400 mm high.



View from our factory in Varna.

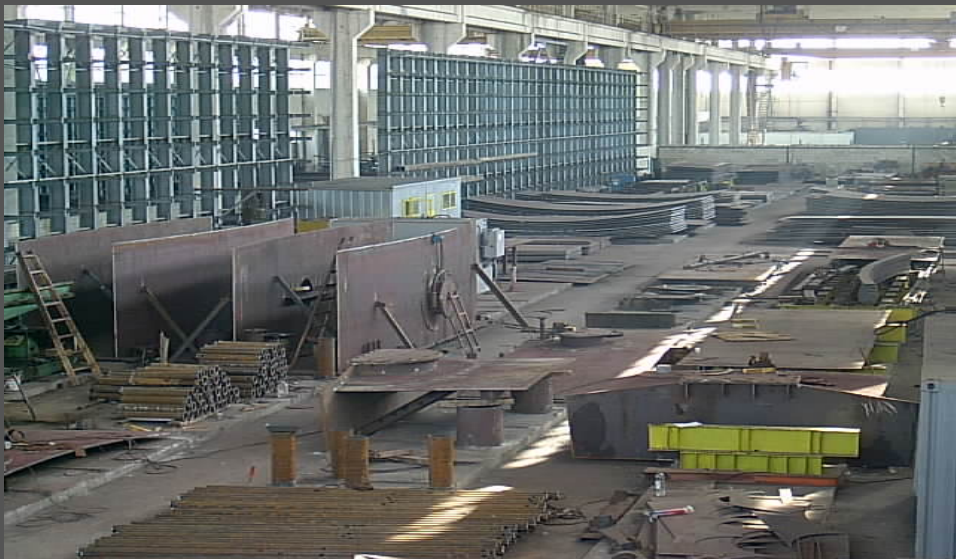
Sights of our activity



CNC oxy fuel portal cutting machine



CNC plate bending machine



General view of the factory in Varna



Despatch of storage tank structures at port Varna

Sights of our activity

Shot blasting line installed in August 2005



The shot blasting line ready for action
The line can blast up to 18 m²/min

Sights of our activity



Forum roof of Munich airport center west.
Pipe trusses with dia. 270 mm 25 m long

Cement silos in Bosnia & Herzegovina capacity 1000 t.



We are specialized in erection spheres



Storage tank in Czech Republic $V=10000 \text{ m}^3$

Sights of our activity



Storage tank farm in Vohburg, Germany
1x80000 m³ & 3x40000 m³



Storage tank farm in Czech Rep.
11x10000 m³



General view of Palouge FPF in Sudan – 3 x 52 0000 m³



General view of Al-Jabalyn CPF in Sudan – 4 x 52 0000 m³



With short terms for commissioning it is necessary to erect the shell and the roof simultaneously.
The roof was lifted with 500 t crane

LIST OF MAIN EQUIPMENT

Име на оборудването	Производител	Тип	Година на производство
CNC cutting machine RUR4000GL	Pierce Control Automation	RUR4000GL	2003
Shape cutting machine		AM355	2002
Bandsaw	Siloma	OL400H	2004
Bandsaw	Siloma	OL330DG	2003
Milling machine	ZMM	FU251	2000
Lathe	ZMM	C-10/C802	1999/2005
Radial drilling machine		GR8	1979
Radial drilling machine	ZMM	PK03102	1991
Horizontal drilling machine	UNION	BFT90/3	1984
Mechanical edge bevelling machine	Pullmax AB	SMT	1980
Semi automatic oxy-fuel torch	RAMI	RS131	2002
Welding power unit		DELTA 190	2005
Semi automatic welding machine	Cloos/Struna	MIG/MAG	1997/2005
Welding column with boom	ESAB		1972
Manual arc welding machines	Tryodin	PK320	1989
Welding power unit	Tryidin	PK320	1992
Electrode drying oven		Germany	2003
Portable electrode box		Czech Republic	2003
Flux drying oven		Germany	2003
Drilling machine	ZMM	VIK2-160ME	2000
Drilling machine	ZMM	BPR241E	2002
Drilling machine	ZMM	2160ME	2005
Perforator	HILTI	VHE28	2005
Semi automatic cutting unit	BUG-O	USA	1999
Wire feeding units	BZV	YA-78	1992
Oxy-fuel cutting torches		G3/8LH	2000
Hydraulic guillotine shear	BAYKAL	MGH 3100x16	2003
4 rolls plate bending machine CNC	AKYAPAK	AHS 30/25	2003
Grinding machines	Sparky	M1650/MA2001	2005
Truck with trailer	DAF		2003
Shot blasting machine	Gostol TST	P3000x400	2005
Acoustic emission equipment	Vallen	AMSY-5	2005
Semi gantry cranes			2005
Overhead cranes		K3	1985/2003
Post weld heat treatment equipment	ESIA		2005

CERTIFICATES



INTERNATIONAL INSTITUTE OF WELDING



Having met the Education and Training requirements of IIW Guideline 'International Welding Engineer' and by examination having satisfied the requirements of the Examination Board of the IIW Authorised National Body

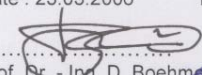
Name: *Alexandar Marinov Beloev*

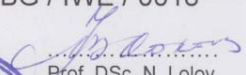
Date of birth: 17.07.1979

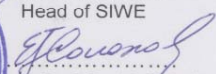
is hereby awarded the diploma of
INTERNATIONAL WELDING ENGINEER

Date : 23.03.2006

Diploma No: BG / IWE / 0018


Prof. Dr.-Ing. D. Boehme
Chairman of Examination Board


Prof. DSc. N. Lolov
Head of SIWE


Assoc. Prof. Dr. E. Sokolov
Head of PGEC – TU-Sofia



Bulgarian Centre for Qualification in Welding

BCQW - Bulgaria



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