

CONSORTIUM
KZU HOLDING GROUP



YOUR RELIABLE PARTNER IN

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



KZU HOLDING GROUP

Company History



- ❑ The company was established in 1992 in Prague, Czech Republic, as a holding structure where major owner is Dr. Eng. Marin Beloiev.



Consortium

KZU HOLDING GROUP

company profile



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;
- ☐ Pipeline compressor stations, Pressure vessels, Heavy steel structures, Ducts and facilities for power stations, nuclear 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)



Consortium

KZU HOLDING GROUP



GEOGRAPHY OF OUR BUSINESS:
The Consortium have completed projects in:





Consortium

KZU HOLDING GROUP



company profile

Leading Members of the Consortium have the following activities:

- ❑ **KZU GROUP ENGINEERING LTD. – Consulting, design, welding engineering, NDE.**
- ❑ **SILOTEH – BUL LTD. – construction and equipment of projects for processing of agriculture products, grain silos and live stock.**
- ❑ **TERA – BM LTD – civil building of apartment and office houses, installation works in industrial projects.**
- ❑ **TANK OIL LTD. – Equipment of petrol and gas terminal.**
- ❑ **KZU GROUP PROJECT LTD. – Design of storage tanks and steel structures.**



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, Germany 1995	MERO IKL/NOELL Hamburg, Germany	1995
3	One tank of 40 000 m ³ with double bottom.	SUGAR RAFINERY PFEIFER & LANGEN, Appeldorn, Germany/NOELL Hamburg	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



References



No	Description of the Project	Investor / Client	Year of completion
6	<p>Storage tanks with fixed roof, cup and double bottom for:</p> <ul style="list-style-type: none"> - 3 pcs. volume 5 000 m³ -for fuel oil - 3 pcs. volume 2 000 m³ - for fuel oil - 2 pcs. volume 1 000 m³ - for fuel oil - 1 pcs. volume 1 600 m³ - for fuel oil - 1 pcs. volume 500 m³ - for fuel oil - 8 pcs. volume 360 m³ - for petrol 	<p>ČESKA RAFINERSKA AS Czech Republic</p>	<p>1995-1999</p>
7	<p>Storage tank of volume 3 000 m³ with fixed roof, cup and double bottom for waste waters.</p>	<p>CHEMOPETROL AS - Litvinov, Czech Republic</p>	<p>1996</p>
8	<p>Storage tanks with fixed roof, cup and double bottom: with pipelines and pump stations; 4 Pcs. x 10 000 m³ for petrol products.</p>	<p>CEPRO AS- Tremoshna near Pilsen, Czech Republic</p>	<p>1997</p>
9	<p>Storage tanks with volume 10 000 m³, with fixed roof, cup and double bottom - 11 pcs. for - for petrol products with pipelines and pump stations</p>	<p>CEPRO AS - Cerekvice nad Bystrici, Czech Republic</p>	<p>1999-2000</p>



References



No	Description of the Project	Investor / Client	Year of completion
10	Warehouse for BMW Wackersdorf, Germany	Stahlbau Wolf Rosenhaim, 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 Bantias Refinery Company	BUTEC SAL, Lebanon	2003-2004



References



No	Description of the Project	Investor / Client	Year of completion
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



No	Description of the Project	Investor / Client	Year of completion
24	QATAR GAS ONSHORE PROJECT 3&4 – PROCUREMENT OF MATERIALS AND FABRICATION OF 25 STORAGE TANKS	BUTEC/QATAR LIQUIFIED GAS COMPANY	2007
25	DEVEN Jscs CFB Boiler Plant – Procurement of materials and fabrication of silos	Foster Wheeler	2007
26	DEVEN Jscs CFB Boiler Plant – Procurement of materials and fabrication of boiler supporting structure	Foster Wheeler	2007
28	DEVEN Jscs CFB Boiler Plant – Procurement of materials and fabrication of ducts	Foster Wheeler	2007
29	Site Erection of 6 storage tanks	Nord Ester France	2007
30	Site erection of 13 storage tanks	Lesieur, France	2007
31	Site pre-assembly of 7 steel silos	Alpro	2007



References



No	Description of the Project	Investor / Client	Year of completion
39	Site erection of 6x58000 m3 storage tanks fro Crude oil at Zubair 2, Iraq	SCOP	2012
40	Fabrication of 4x5000 m3 and 1x1000 m3 storage tanks for KAFZA free zone oil terminal, Iraq	SKA/DIG	2012
41	Site erection and testing of 4x5000 m3 and 1x1000 m3 storage tanks for KAFZA free zone oil terminal, Iraq	SKA/DIG	2012
42	Design, procurement of materials, fabrication and testing of Steam Knock Out Drum.	Neochim PLC, Bulgaria	2012
43	Fabrication of storage tank 6000 m3 for sulphuric acid.	Agropolychim/ Micromet, Bulgaria	2012
44	Shot blasting and coating with primer of 25000 m2 steel structures for Varna airport	ZKM Varna	2012
45	Process vessels for water treatment plant in South Iraq	Mena Group	2012



References



No	Description of the Project	Investor / Client	Year of completion
46	Engineering, procurement, construction of 3 storage tanks 41 m. diameter self supporting umbrella roof	ExxonMobil Iraq/FLUOR/DIG	In progress
47	Shop fabrication of roof structures for 21 storage tanks for Zubair Oil Field Development Project	SPG Steiner GmbH	2013
48	Shop fabrication of roof compression rings and clean out doors for 21 storage tanks for Zubair Oil Field Development Project	SPG Steiner GmbH	2013



Clients Gratitude



BUTEC



To Whom It May Concern

Subject: BANTAS 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 Vakaranski" 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

Our Ref: C2099A/REC/CB/KZU/0003/005-04
Sub-Contract No : C2099A/0003/04

12th August 2006

TO WHOM IT MAY CONCERN

Dear Sir,

PROJECT	1	MELUT BASIN OIL DEVELOPMENT PROJECT (UPSTREAM) ENGINEERING, PROCUREMENT, CONSTRUCTION AND COMMISSIONING (EPCC) FOR AL-JABALAYN CENTRAL PROCESSING FACILITIES, PALOQUE FIELD PRODUCTION FACILITIES, OPERATIONS BASE CAMPS AND PRODUCED WATER PIPELINE
OWNER	1	PETRODAR OPERATING COMPANY LIMITED
EPCC CONTRACTOR	1	RANHILL INTERNATIONAL INC. PETRONEEDS SERVICES INTERNATIONAL JV
SUBJECT	2	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 Vakaranski" 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-Jabaleyn Central Production Facility and Paloque 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 E. SPLITT
SENIOR COMMERCIAL MANAGER

Ranhill International Inc. / Petroneeds Services International Joint Venture
Ranhill Inc. Head Office: Tower, Petronas Park, Kuala Lumpur, 61000 Kuala Lumpur, Malaysia
Tel: 603-2171 2000 Fax: 603-2171 2001
Correspondence address:
21st Floor, Empire Tower, No. 180, Jalan Tun Razak, 50400 Kuala Lumpur, Malaysia
Tel: 603 2171 2000 Fax: 603 2171 2001 Email: info@rnhill.com.my



Consortium

KZU HOLDING GROUP



CERTIFICATES:

- ❑ **The production and the personnel are certified according to EN ISO 9001, EN ISO 3834 for steel structures and pressure vessels.**
- ❑ **Directive 97/23/EC, ANNEX I, Par. 3.1.5, EN 764-5 , Par. 6.2.2, AD2000 HP0, Par. 4**
- ❑ **Welding engineers are certified by International Institute of Welding.**



Certificates



Certificate

Standard: **BDS EN ISO 9001:2008**

Certificate Reg. No: **TRBA 100 0334**

TÜV RHEINLAND-BULGARIA EOOD certifies:
 Certificate Holder: **KZU GROUP - ENGINEERING OOD**
 BG - 1730 Sofia
 Av. Vasilko, 13, Prof. Hristo Vankovskii St.
 Workshop/Varna:
 8000 Varna, West industrial area
 Bulgaria

Scope: **Engineering, design, manufacture, repair and installation of storage tanks, pressure vessels and metal structures.**

An audit was performed. Proof has been furnished that the requirements according to BDS EN ISO 9001:2008 are fulfilled.

Validity: The certificate is valid from **02.12.2013** until **30.11.2016**
 First certification: 2007

Sofia, 02.12.2013

Reich
 TÜV RHEINLAND-BULGARIA EOOD
 80-11111 Sofia, 1200 Shapka Tzarova Str.
 www.tuv.bg



Certificate

System of Transferring the Marking of Materials

Certificate No: **91 202 BG/12 9005**

Name and address of the company: **KZU GROUP ENGINEERING LTD**
 13, Prof. Hristo Vankovskii St.
 1730 Sofia
 Bulgaria

It is hereby certified that the company has furnished proof of fulfilling the quality requirements for transferring the material marking during a specific inspection. The company possesses the required processes and equipment and also qualified staff for transferring the marking.

Testing Principles: **Directive 97/23/EC, Annex I, Para. 3.3.3, EN 786-4, Para. 6.3.2, AD 2004 HFE, Para. 4**

Test Report no: **91 202 BG/12 9005**

Area of Application: **Transfer of marking of metallic materials with test certification DIN EN 10204 - 2.1, 2.2 and 3.1**

Operations Location: **KZU GROUP ENGINEERING LTD**
 West industrial area
 8000 Varna
 Bulgaria

Valid until: **June 2015**

The company possesses a certified QA-System according to DIN EN ISO 9001, Certificate No.: TRBA 100 0334.

Category: 01/2 08.21

Dr. Ing. G. G. G. G.
 Dr.-Ing. G. G. G. G.
 TÜV RHEINLAND-BULGARIA EOOD
 80-11111 Sofia, 1200 Shapka Tzarova Str.
 www.tuv.bg





Certificates



Certificate

Inspection of a Welding Shop

Certificate no.: 01 202 HUIA 12 3384

Name and address of the manufacturer: KZU Group Engineering OOD
1700 Sofia, 12 Prof Hristo Vakaranski Str., Bulgaria

It is hereby certified that the manufacturer has furnished proof of the comprehensive quality requirements to be met for his welding activity.

Specifications: DIN EN ISO 3834-2

Test Report no.: E 122/0788/2012

Scope: Manufacturing of Pressure Equipment, Steel Structures, see annex

Manufacturing Plant: KZU Group Engineering OOD
1700 Sofia, 12 Prof Hristo Vakaranski Str., Bulgaria

Valid until: 04.07.2015

Budapest, 2012.07.27



TÜV Rheinland Certification Body for Pressure Equipment
TÜV Rheinland Industrie Service GmbH
Am Glöckner Stein 51120 Cologne, Germany

Sub-office:
TÜV Rheinland InterCert Kft.
H-1132 Budapest, Váci út 48/a-6
tel.: +36 (1) 4011-100, fax: +36 (1) 4011-180
E-mail: technika@tuvsz.com, internet: www.tuv.hu

FLT-BK-3_1

(2000-10-05-40)

www.tuv.hu



Certificate

Manufacturer and Welding Shop acc. to AD 2000-Code

Certificate no.: 01 202 HUIA 12 3387

Name and address of the manufacturer: KZU Group Engineering OOD
1700 Sofia, 12 Prof Hristo Vakaranski Str., Bulgaria

It is hereby certified that the manufacturer has furnished proof of the quality requirements. The above-mentioned company

- has facilities permitting manufacturing and inspection in conformity with the present technical standard,
- operates a quality system which guarantees that manufacturing and inspection of the products stated in our report are in conformity with the technical codes and regulations,
- employs qualified supervisory and inspection personnel.

Specifications: AD 2000-Merkblatt HP9

Test Report no.: E 122/0788/2012

Scope: Manufacturing of Pressure Equipment, see annex

Manufacturing Plant: KZU Group Engineering OOD
1700 Sofia, 12 Prof Hristo Vakaranski Str., Bulgaria

Valid until: 04.07.2015

Budapest, 27.07.2012



TÜV Rheinland Certification Body for Pressure Equipment
TÜV Rheinland Industrie Service GmbH
Am Glöckner Stein 51120 Cologne, Germany

Sub-office:
TÜV Rheinland InterCert Kft.
H-1132 Budapest, Váci út 48/a-6
tel.: +36 (1) 4011-100, fax: +36 (1) 4011-180
E-mail: technika@tuvsz.com, internet: www.tuv.hu

FLT-BK-3_1

(2000-10-05-40)

www.tuv.hu

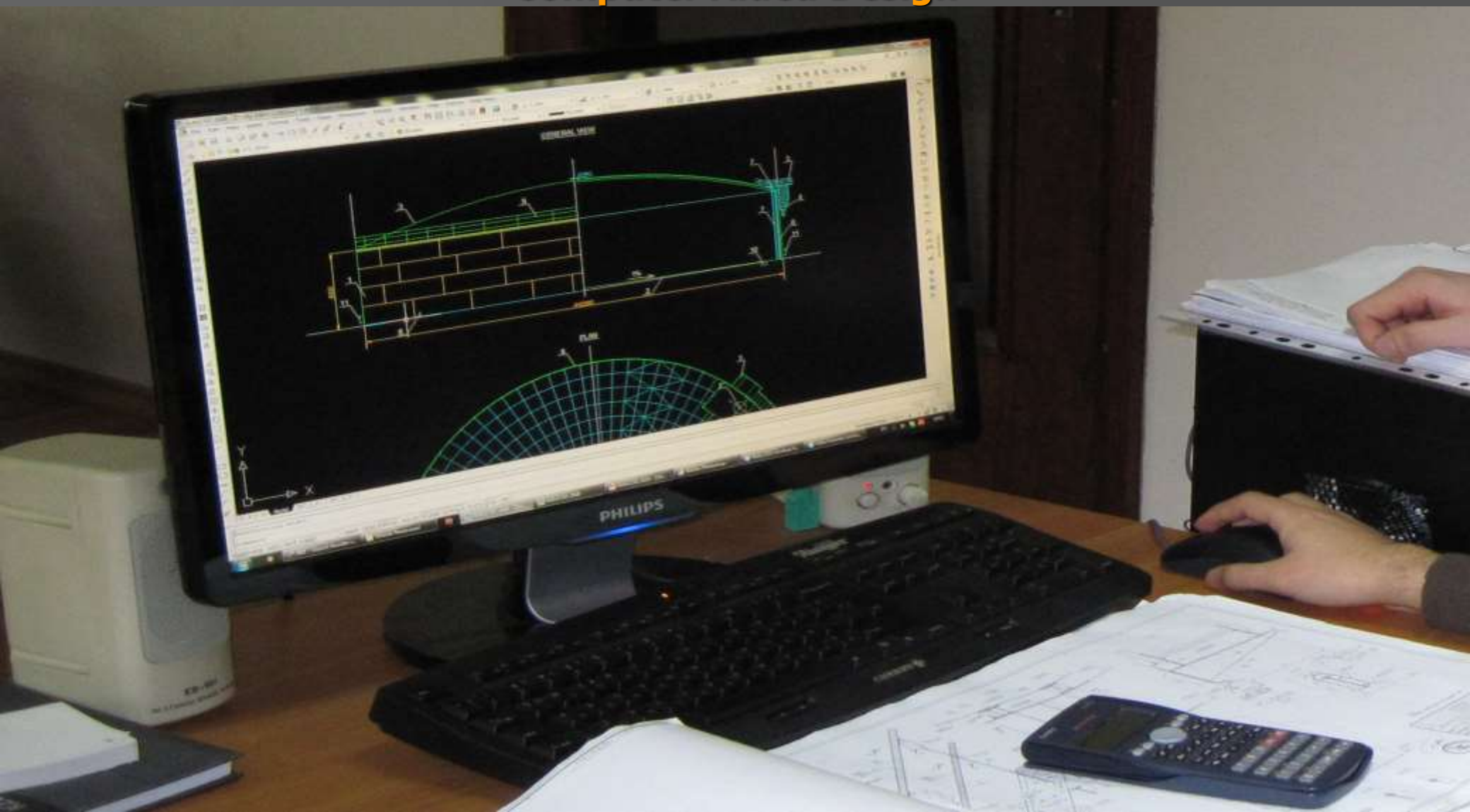




Consortium KZU HOLDING GROUP



Computer Aided Design





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Engineering and Research



НАУКА – ВУРОБНИЦТВО

ВУР. 624.3.35.353.621.642.39

ПЛАВАЮЩИЕ КРЫШИ РАЗЛИЧНЫХ КОНФИГУРАЦИЙ ДЛЯ КРУПНОГАБАРИТНЫХ СТАЛЬНЫХ РЕЗЕРВУАРОВ

Выполнено технико-экономическое обоснование конструкций стальных крыш для резервуаров объемом 100000 м³. Получены результаты систематического сопоставления типовых конструктивных решений торцевой вертикальной стенки танка.

Ключевые слова: стальной резервуар, плавающие крыши, понтон.

Применение плавающих крыш в резервуарах является самым распространенным решением для снижения и минимизации потерь при хранении особо легучих нефтепродуктов. Невентилируемые конструктивные решения односкатных плавающих крыш были разрабатаны KZU HOLDING GROUP и представлены в докладе [5] на коллежнине «Новые решения конструкций, технологий сооружения, диагностики и ремонта стальных резервуаров», состоявшемся в г. Варна (Болгария) в 2006 году.

Для крупногабаритных резервуаров, диаметр которых превышает 40 м, классическое решение односкатных плавающих крыш не является удачным, поскольку при эксплуатации в мембране из-за ее небольшой изгибной жесткости возникает быстрая деформация. Неблагоприятное влияние на деформацию мембраны оказывает также повышенная ветровая нагрузка, характерная для стран Балканского Востока.

В работе [6] рассмотрены два основных вида ребер жесткости – вальмовые и радиальные, причем предпочтение отдается радиальным. Это наиболее распространенный способ увеличения жесткости мембраны, принятый в Голландии, Германии, Австрии и США. Причем в качестве ребер рекомендуется использовать гиревчатый профиль, например, двухухтовый.

Интересны предложения, изложенные в работе [6], по увеличению жесткости мембраны радиальными ребрами, а также их различие в работе [5], где приведено исследование влияния установленных ребер на деформацию мембраны. Предложены три принципиальные схемы с различным расположением радиальных ребер на крыше (рис. 1).

Рис. 1. Принципиальные схемы расположения радиальных ребер на плавающих крышах резервуаров:

- а – не связанное между собой;
- б – связанное между собой посредством центрального кольца;
- в – не связанное и имеющее по отклонению друг к другу.

М. Валиев, президент KZU HOLDING GROUP, заслуженный деятель техники, Болгария, доктор Димитровский прием, Академия Академии строительства Украины, к.т.н.

С. Русия, научный консультант KZU HOLDING GROUP, в.т.н.

© Валиев М., Русия С.

Примечание: Издание не является официальным, 2006, 10, 1.

НАУКА – ВУРОБНИЦТВО

Предлагаемое техническое решение реконструкции существующей конструкции понтона позволяет не только устранить два постоянных концентратора напряжений (рис. 4,а – узлы I и III) вследствие ухода от резкого изменения геометрии его поперечного сечения, но и существенно облегчить условия работы торцевой стенки, на которую действует значительная сосредоточенная растягивающая сила (рис. 4,а – узел II). Новое решение конструкции понтона:

- позволяет ввести новый стандартный унифицированный элемент (труба стальная электросварная по ГОСТ 6360), использование которого дает возможность избежать входного контроля материала, необходимого при применении листовой стали;
- приводит к более экономичному поперечному сечению понтона в связи с уменьшением длины, во-первых, торцевой стенки с 4R до 4R и, во-вторых, основной, крышки и конструктивной профильной подложки с R₁ до R₂ – R (рис. 4,б);
- улучшает технологию изготовления четырех конструктивных элементов (основы, крышки, вала, а также крайних периферийных листов мембраны), для которых нарезание заготовок по дуге большого радиуса заменяется более легкой, удобной и технологически улучшенной прямолинейной резкой;
- качественно улучшает сварные соединения основных узлов I и III, для которых вместо односторонней угловой сварки узла I при замене предусматривается сварка встык на подложном планке, а вместо двухухстойной угловой сварки узла III при замене предусматривается сварка встык.

Кроме того, данное решение позволяет получить значительную экономию листовой горячекатаной стали (стоимость и масса которой в мировом масштабе увеличиваются постоянно) – для одного крупногабаритного резервуара с односкатной плавающей крышей число понтонных превышает 40 штук и на одной складской или производственной площадке, как правило, одновременно сооружается от 4 до 8 резервуаров.

Рис. 4. Поперечное сечение понтона односкатной плавающей крыши (а), с полугрубой (б):

1 – торцевая стенка; 1' – полугруба; 2 – основа; 3 – крышка; 4 – вальс; 5 – конструктивная профильная подложка; 6 – мембрана.

Выводы. Полученные данные и результаты исследования позволили выполнить технико-экономическое сопоставление не только плавающих крыш различной конфигурации и жесткости в целом, но и предлагаемого нового технического решения торцевой вертикальной стенки понтона в частности.

[1] Welded Steel Tanks for Oil Storage, API-650, – 2008.

[2] Руководство по проектированию и монтажу вертикальных цилиндрических резервуаров – София: КЗУ, 1998.

[3] Инструкция по проектированию стальных вертикальных резервуаров для нефти и нефтепродуктов – София: ИСРБТХИМАТРОМ, 1970.

[4] Oberflächliche zyklische Flächlasten Tankbauwerke aus metallischen Werkstoffen, Deutsche Industriellenormen, DIN 4113.

[5] Rusinov S., Zdravkov I., Supplementary constructive solutions for single deck floating roofs in tanks with big diameter/ Abstracts of the Colloquium International Association for Shell and Spatial Structures (IASS) show decisions of the structures for section and repair technology and diagnosis used in steel tanks, – Varina, 2006, – P.10-17.

[6] Zolto J. Zbornik metalov na cistoti i gazy – Warszawa: Arkady, 1996.

Надпись: 07.12.2007 г.

Scientific publications.



Consortium

KZU HOLDING GROUP



Fabrication facilities

**KZU has a factory for
steel structures in
Varna, Zapadna
Promishlena Zona**

CNC cutting system



**Automatic shot
blasting line 3000 mm
wide**



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KZU HOLDING GROUP

Main production bay





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Erection and Construction Activities



**1x80000 m³ &
3x40000 m³
Double Bottom
and Double Shell
Storage tank
farm –
Vohburg
Germany
1994 -1996**



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KZU HOLDING GROUP

Erection and Construction Activities



**1x 40,000 m³
Molasses
Storage Tank
Apeldoorn
Germany**

**Preparation
of the roof
for lifting
with water**



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Erection and Construction Activities



**11x10000 m³
Fixed Roof
Storage Tank
Farm - "Cepro"
Turnkey Proj.
Cerekvice -
Czech Republic
1999 – 2000**



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KZU HOLDING GROUP

Erection and Construction Activities



**10 x 33.000 m³
Floating Roof
Crude Oil
Storage Tanks
Turnkey Proj.
Syria –
2004 - 2005**

14.04.2005 12:54



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KZU HOLDING GROUP

Erection and Construction Activities



**3 x 52 000 m³
Palouge FPF in
Sudan –
2006**



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KZU HOLDING GROUP

Erection and Construction Activities



**4 x 52 000 m³
Al-Jabalyn CPF
Sudan –
2006**



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Erection and Construction Activities



**8 x 2.000 m³ &
8 x 1.000 m³
Prista Oil
Storage Tanks
Varna, Bulgaria
2008**



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Erection and Construction Activities



**2 x 20.000
Floating Roof
Storage Tanks
Aqaba
Jordan
2009**



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**Erection and Construction Activities
Current Project in Motion**



Site erection of storage tanks for diesel fuel in KAFZA free zone, Iraq



Consortium

KZU HOLDING GROUP

Erection and Construction Activities



**Cement silos in
Bosnia & Herzegovina
capacity 2000 t.**



**Ducts for DEVEN JSC
as contractor of
Foster Wheeler**



Consortium

KZU HOLDING GROUP

Erection and Construction Activities



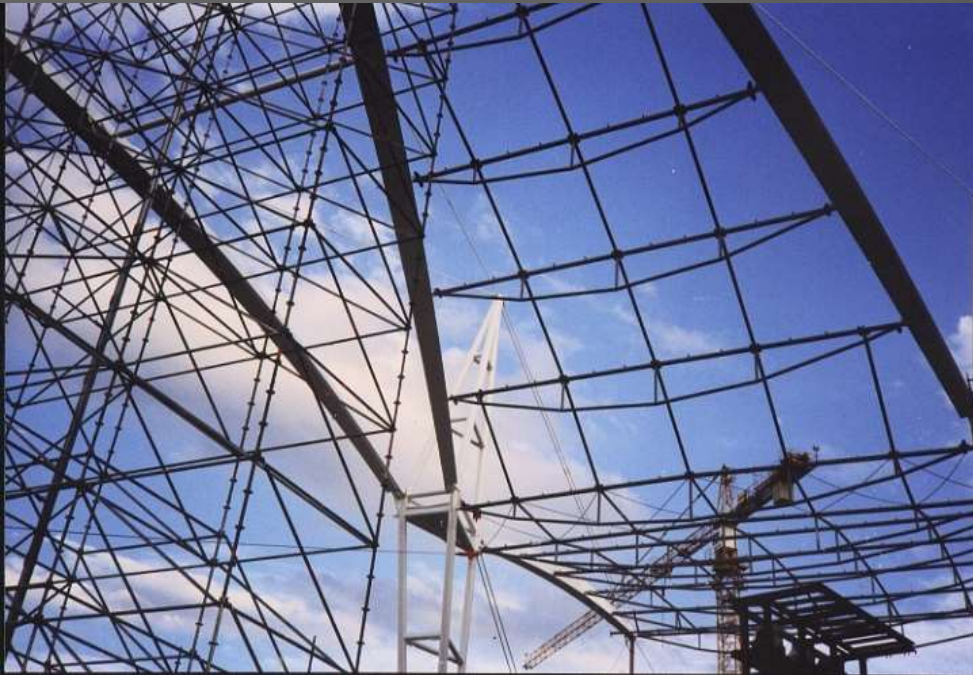
**Erection of
Spherical Tanks
Bourgas
Bulgaria**



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Erection and Construction Activities



**Construction of forum roof of
Munich airport Center West.**



**Construction of specialized silos
for DEVEN JSC as contractor of
Foster Wheeler**



Consortium

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Erection and Construction Activities



**Ventilation Duct at
NPP Kozlodui
Complex
Bulgaria**





Contact info

□ Business address:

1700, Sofia

12, Prof. Hristo Vakarelski str.

Bulgaria

Tel: +359 2 962 39 48

Fax: + 359 2 862 48 54

E-mail: office@kzu-group.com

WEB: www.kzu-group.com

Contact person:

George Beloev – Commercial Manager