

CORPORATE PROFILE



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Prosan
Engineering Coy. Ltd
(Civil and Water Engineering Services)



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THE PHILOSOPHY



OUR VISION

"To glorify God through Water Engineering services to humanity"



OUR MISSION

"To professionally combine human and material resources in providing outstanding solutions to water problems for the benefit of all"



POTOON FOR SURFACE WATER SCHEME FOR BRAN & LUEBBE NAF BASE, KADUNA



WHO WE ARE



THE CONTRACTOR

PROSAN ENGINEERING COY. LIMITED

is an indigenous engineering construction company established in 1992 with a professional practice embracing the full range of activities i.e. Design and fabrication of floating pontoon Intake Structure Fabrication of Water Treatment Plant Fabrication of Welded Steel Tanks Building of Dams Engineering Consultancy

We also have expertise in environmental engineering, GIS, computer analysis, training and manpower development.

We have been involving in numbers of engineering consultancy services

Our organization is structured under five main divisions, which have various departments attached to it.

They include:

- Water Resources Engineering**
- Irrigation & Drainage Engineering**
- Transportation Engineering**
- Building & Structural Engineering**
- Electro-Mechanical Engineering**

We are also involved in training of clients' staff (on-the job training), providing advisory roles to clients and assessing the various modes of operation and maintenance of projects



Ac 100 M³/hr Capacity Package Water Treatment Plant In Kastina



THE STRUCTURE



OUR **ORGANIZATIONAL** CHART

MANAGING DIRECTOR

DIRECTOR OF ENGINEERING

DIRECTOR OF ADMIN/ACCOUNTS

TRANSPORTATION
ENGINEERING

STRUCTURAL
ENGINEERING

IRRIG. & WATER
ENGINEERING

ELECT. MECH
ENGINEERING

ADMIN MANAGER

ACCOUNTS



Prosan-Tech AC 100m³ / hr Loaded on Truck for despatch to site



WHO WE ARE



SCOPE OF SERVICE



Prosan Engineering Coy. Limited offer a wide range of Engineering Construction, Maintenance of projects and Personnel Training. Consultancy services are offered from pre-investment studies, design through supervision and operation of projects.



Our Ultra modern workshop has full range of facilities and equipments. The workshop located at 1 74 Kachia road near Crittal Hope, Kaduna South, Kaduna is equipped with specialist tools, & equipment from its associates. These facilities and equipment can be used or transferred to different locations as the need arises.



At Prosan Engineering Coy. Ltd., we have full technical support library services.

The library provides our skilled and trained engineers with updates & research system.

The Computer and General Service Division offers a support services to all the other department as well as for carrying out various services on its own.

The firm keeps up to date with the State-of-the-Art technology and its technical administrative works is 85% computerized.

We use software related to engineering such as AutoCAD 2000 Release incorporating macromedia with navigation control instructions for most of our engineering & drafting works.



THE LEGAL DOCUMENTS




CORPORATE AFFAIRS COMMISSION
ABUJA - NIGERIA

FORM CAC 7.2 5 August, 1999
RC 196413

Certificate of increase in share capital
COMPANIES AND ALLIED MATTERS DECREE (1990)
Pursuant to Section 102 (2)

NAME OF COMPANY
PROSAN ENGINEERING COMPANY LIMITED

WITH REFERENCE TO THE ORDINARY RESOLUTION AND NOTICE OF
SHARE CAPITAL DATED THE 17TH DAY OF NOVEMBER,
PRESENTED FOR FILING ON THE 9TH DAY OF FEBRUARY,
IN RESPECT OF THE ABOVE NAMED COMPANY:
THIS IS TO CERTIFY THAT THE INCREASE IN SHARE C
IN 100,000.00K TO 1,000
BY THE CREATION OF 900,000
SHARES OF N AS BEEN KE


FEDERAL REPUBLIC OF NIGERIA
CORPORATE AFFAIRS COMMISSION

Certificate of Incorporation
I HEREBY CERTIFY that
PROSAN ENGINEERING COMPANY LIMITED
is this day incorporated under the COMPANIES AND ALLIED MATTERS
DECREE, 1990 and that the Company is Limited
Given under my hand at Abuja this 14TH day of
MAY, one thousand Nine Hundred and SEVENTY TWO
Fees and Deed Stamps N 1,506.00
Stamp Duty on Capital N 75.00
W. F. ABUJALABI
Registrar General


FEDERAL INLAND REVENUE SERVICE
VALUE ADDED TAX
VAT
Certificate of Registration
No. KRY/0002/26413
This is to Certify that
PROSAN ENGINEERING NIGERIA LIMITED
30, 20/22 SANARY ROAD, BAKURA KAKURE KADUNA
has been duly registered as an
agent for VAT collection
under
THE VALUE ADDED TAX (VAT) DECREE NO.102 OF 1993
This certificate confers all the rights and obligations
including the claim of credit for input tax paid
under the VAT Decree on any registered persons.
Dated this 10TH day of SEPTEMBER 19 2001
DIRECTOR (VAT) FIRS
LOCAL VAT OFFICER
* This is to be inserted on all tax invoices, receipts and correspondence.

INTRODUCTION

SHILOH SILOS LTD



SHILOH SILOS LTD

This is another subsidiary company under PROSAN ENGINEERING CO. LTD.

This is a leading company which specializes in the design and manufacture of grain storage and handling systems.

Thus, You can consult us on proficient carriage or control and also storage of commodities such as wheat, rice, corn, pulses, palm kernels and also animal feeds, wood pellets, polyethylene resin beads and some minerals.

Should you require large or small storage system, Shiloh silos will provide you with the design and manufacturing support services.



6601 HBT MODEL SILO



OUR ADVANTAGES



FIELD OF APPLICATION

- PROSAN-TECH Water treatment plants can be used for the following purposes:
- Water and drinking water treatment from all kinds of ground and surface water
- Mechanical purification of water, e.g. process water recycling scale water
- Softening of demineralization by installing additional filters
- Mobile drinking water supply to remote, less densely population areas the plant is fixed to a lorry.
- Irrigation Systems.



**PROSAN-TECH AC 100M3/HR LOADED
ON TRUCK FOR DESPATCH TO SITE**

WHY PROSAN-TECH PLANTS?

- High reliability through fix installed standby - pump:
- Low running cost due to low power consumption and easy maintenance
- Simply erected containerized system
- Simply operated only one handle has to be moved for filter back washing (The backwash velocity is higher than the operating velocity).
- Corrosion proof all parts are sandblasted and protected by a 3 ply coating
- Short period of delivery
- Short erection time
- Long service life
- Standardized module units-easy to extend



OUR EXPERIENCE



RELEVANT EXPERIENCE

DATE	CLIENT	LOCATION	STATUS OF PROJECT	SCOPE OF WORK
2004	Bran & Luebbe Water Engr. Ltd. Kd	Kaduna	100%	Drilling os 5 Nos Borehole in Zaria
2005	Kogi State Government	Kogi State	100%	Construction of Ajaka booster Station
2005	Kogi State Government	Kogi State	100%	Construction of Koton Karfe Surface Water Scheme and Pipeline
2006	Kaduna State Water Board	Kaduna	100%	Rehabilitation of starter panels Zaria Dam intake
2006	Cross River Basin & Rural Dev. Authority	Oban	100%	Rehabilitation of Surface Water Scheme including Prosan Water Treatment Plant
2006	Cross River Basin & Rural Dev. Authority	Akpap- Okoyong	100%	Rehabilitation of Surface Water Scheme including Prosan Water Treatment Plant
2007	Cross River Basin & Rural Dev. Authority	Ikot Ekwere	100%	Construction of full Water Scheme which include the fabrication and erection of Prosan Tech DW 50m ³ /hr Package Water Treatment Plant
2007	Piell Consult Ltd. Off Goldle Street, Calabar.	Ukpe-Ogoja	100%	Fabrication and erection of Prosan Water Treatment Plant Tech. AC 10m ³ /hr Package Water Treatment Plant



OUR EXPERIENCE



RELEVANT EXPERIENCE

2008	Bran & Luebbe Water Engr. Ltd. Kd	Gubi Dam, Bauchi State	100%	Rehabilitation of 4Nos. AC 100m ³ /hr Package Water Treatment Plant & fabrication & erection of 2nos. Prosan Tech AC 100m ³ /hr Package Water Treatment Plants
2008	Kogi State Government	Kogi State	100%	Supply and Installation of change over Switch & starter panel of Koton Karfe Surface Water Scheme and Pipeline
2008	Bran & Luebbe Water Engr. Ltd. Kaduna	NAF Base, Kaduna	100%	Improvement of Water Supply to NAF Base Kaduna. Fabrication & erection of 100m ³ Treatment Plant Pontoon intake Structure
2009	Belmont Nig. Ltd.	44 Army Barracks Kaduna	100%	Fabrication and erection of 1No. Prosan Tech. AC 25m ³ /hr Package Water Treatment Plant
2009	Global Allied Nig. Ltd.	Lokoja Water Works	100%	Fabrication of 1No. Pressure Rapid Filter
2009	Plateau State MDG's	Plateau State	100%	Drilling of 2Nos Motorized boreholes. Fabrication & erection of 2nos 10,000 Galon pressed Steel Tank on 9mtrs Tower
2010	Kogi State MGD's	Okpo, Kogi State	90%	Complete Surface Water Scheme



OUR EXPERIENCE



RELEVANT EXPERIENCE

2010	Kogi State MGD's	Icheke	100%	Complete Surface Water Scheme
2010	Bran & Luebbe Water Engr. Ltd. Kaduna	Zonkwa, Kaduna	100%	Fabrication & erection of Horizontal pressure filter
2011	Cylon Nlg. Ltd. NAFADA	Gombe	100%	Fabrication & erection of 1No. AC 100m ³ /hr Package Water Treatment Plant
2011	Leo-Flinch Nig. Ltd.	Itomi-C/River State	100%	Fabrication & erection of 1No. AC 50m ³ /hr Package Water Treatment Plant
2011	Avage Nig. Ltd.	Katungo, Gombe State	90%	Fabrication & erection of 1No. AC 100m ³ /hr Package Water Treatment Plant
2013	Lower Niger River-Basin Authority Ilorin Kwara State	Gbado-Tutugi, Kwara State	45%	Construction & Development of Infrastructural Facilities
2014	Ace Lodestar Nig. Shagari Ltd.	Sokoto	100%	Fabrication, Delivery & erection of 1No. 100m ³ /Capacity Package Water Treatment Plant
2015	CGC Nig. Ltd	FCT, Abuja	100%	Fabrication & erection of 1No. 50m ³ /hr Package Water Treatment Plant
2015	Dalfam	Kabba-Odu	100%	Fabrication & Erection of 3Nos AC 100m ³ /hr Package water Treatment Plant.



OUR EXPERIENCE



RELEVANT EXPERIENCE

2016	Leo-Flinch Nig. Ltd.	Kaduna	100%	Fabrication & Erection of No1 Prosan Tech, AC 100m ³ /hr Package water Treatment Plant.
2017	Bran & Luebbe Water Engr. Ltd. Kd	Dutsi & Mashi, Katsina.	100%	Fabrication & Erection of 2Nos PC 100m ³ /hr Package Water Treatment Plant.
2018	Prime Gate Tech. works Ltd.	Arochukwu	100%	Fabrication & Erection of No1 Prosan Tech, AC 20m ³ /hr Package water Treatment Plant.
2018	Green Lamp & Sons Nig. Ltd.	Abuja	100%	Fabrication & Erection of 2Nos of DW 5m ³ /hr Package Water Treatment Plant.
2018	Bran & Luebbe Water Engr. Ltd. Kaduna	Dutsi & Mashi, Katsina.	100%	Fabrication & Erection of 3Nos PC 100m ³ /hr Package Water Treatment Plant.
2018	Bran & Luebbe Water Engr. Ltd. Kaduna	Dutsi, Katsina State.	100%	Fabrication & Erection of 1Nos PC 100m ³ /hr Package Water Treatment Plant.
2018	Lower Niger Basin Dev. Authority	Ilorin South LGA, Kwara State	80%	Provision and Installation of Mini Compact Water Treatment Plant
2018	Lower Niger Basin Dev. Authority	Ekinrin-Adde, Kogi State	80%	Construction of Ekinrin-Adde Water Supply Scheme.
2018	Land & Water Partnership Ltd.	Asa LGA, Kwara State	80%	Provision and Installation of Mini Compact Water Treatment Plant
2018	Waterline Engineering Ltd	Ilorin East	80%	Provision and Installation of Mini Compact Water Treatment Plant



OUR SOLUTIONS



PROSAN-TECH COMPACT SYSTEM THE IDEAL SOLUTION

To supply the population with good-quality drinking water is a pressing world-wide problem.

Especially in geographically remote areas of the world where highly developed treatment plants for drinking water are becoming increasingly necessary.

Virtually non-existent road-networks and climatically unfavourable conditions in some areas hamper the erection of conventional water treatment plants considerable.

Furthermore, an economical supply of the population with drinking water is often delayed through extremely high expenditures for site-facilities, assembly and transportation of construction materials, or through an unduly long period of erection by unskilled site-and assembly workers.

Quick help, therefore, often goes hand in hand with problems which sometime are impossible to overcome if such unfavourable conditions prevail and conventional water treatment plants are erected.

PROSAN-TECH has developed a system for water-treatment plants which offer the following advantages:

- Short Period of Delivery
- Minimal on-site construction
- Suitable for many purposes
- As far as possible independent of different raw-water compositions
- If necessary independent of the electricity supply
- It should be possible to erect such plants in nearly inaccessible areas
- Simple to handle
- It requires transportation, therefore it should not necessarily be confined to one area
- The same service life as conventional plants
- * No problems in the supply of chemicals for treatment



PROSAN-TECH AC 100M³/HR FOR BRAN & LUEBBE NAF BASE, KADUNA

OUR SOLUTIONS



The effort made to comply with the above points have resulted in **PROSAN-TECH COMPACT SYSTEM** WHICH IS AVAILABLE AS LISTED BELOW:

A combination of various lines of course possible, up to a capacity of max. 1000m³/h(=equiv. to a water supply for 10,000 people) Process engineering: Identical for all sizes.

Raw water flocculation (usually with Alu-Sulphate). The flocs which are formed during this step are removed through sedimentation on a specially designed tilted plate separator PROSAN-TECH MULTISED. Therefore the preclarified water is cleaned in pressure filters and chlorinated for sterilizing.

After finishing this physical-chemical treatment step, the water complies with the requirements for drinking water according to the standard of the World Health Organization (WHO) of the United Nations.

If the raw water is extremely polluted, it is advisable to integrate a further treatment step anthracite filtering. Furthermore, if the raw water has an extremely high salt content, e.g. brackish water, the PROSAN-TECH reverse osmosis-unit can be installed which is able to reduce the amount of salt to such an extent that it complies with the requirements for drinking water.

These plants have been designed to use as little electricity as possible, if there is no suitable supply of electricity available it can be substituted by Diesel generators.

THE PROSAN-TECH-System combines a modern, flexible technology of water-treatment, easy handling and a low maintenance technique with high economy of operation and quick availability. This system is based on standardized basic-units which are assembled ready for operation at the manufacturer's works. After carrying out the resp. trial runs the basic-units are made up in transportable units.

The most common dimensions and weights conform to the standards of International Standards Organization (ISO) for containers and to common dimensions of pallets used for air transportation resp. At the destination these units are fixed to the prepared foundation and connected with the provided distribution frame of joint-system. Therefore, the water-treatment plants can be put into operation only few days after arrival of the units on the site.



OUR ADVANTAGES



SUMMARY OF PROSAN-TECH COMPACT PLANTS GENERAL VIEW FOR SURFACE WATER

Type	Capacity				Water for Persons	Semi Urban	Rural water	Power Consumption	Chemical ConsumptionKG/HR			
	m3/hr	gal/hr	m3/d	gal/d					c1	A1 ₂ (SO ₄) ₃	NaOH	(PE)
D 2.5	2.5	550	50	11.000	250	500	1000	1,12	0,025	0,125	0,087	0,0012
D 5	5.0	1.100	100	22.000	500	1000	2000	1,85	0,050	0,25	0,175	0,0025
D 10	10	2.200	200	44.000	1,000	2000	4000	2,1	0,1	0,5	0,35	0,005
D 25	25	5.500	500	110.000	2,500	5000	10,000	3,0	0,25	1,25	0,875	0,0125
D 50	50	11.000	1,000	220.000	5,000	10,000	20,000	7,0	0,5	2,5	1,75	0,025
D 75	75	16.500	1,500	330.000	7,500	15,000	30,000	9,0	0,75	3,75	2,625	0,0375
D 100	100	22.000	2,000	440.000	10,000	20,000	40,000	12,5	1,0	5,0	3,50	0,05
D 125	125	27.500	2,500	550.000	12,500	25,000	50,000	12,5	1,25	6,25	4,38	0,06
D 150	150	33.000	3,000	660.000	15,000	30,000	60,000	16,5	1,5	7,5	5,25	0,075
D 200	200	44.000	4,000	880.000	20,000	40,000	80,000	16,5	2,0	1,0	7,0	0,10

- 1) 1 gal (imp.) – 4,456 L
- 2) for 20 hours normal operation
- 3) for 200 litres water consumption per person per day corresponding storage tanks are assigned for approximately 8 hours
- 4) Semi urban water consumption is assumed to be 100 litres / capita / day
- 5) Rural water consumption is assumed to be 50 litres / capita / day
- 6) Without Intake and High Lift Pumps
- see other list
- 7) Average value depending of the raw water quality

C1 ₂	10 g/m3
A1 ₂ (SO ₄) ₃	50 g/m3
NaOH 100%	35 g/m3
PE	0,5 g/m3



**FABRICATION AND ERECTION OF
PRESS STEEL TANKS**

OUR ADVANTAGES



SUMMARY OF PROSAN-TECH COMPACT PLANTS GENERAL VIEW FOR BOREHOLE WATER

Type	Capacity					Water for Persons	Power Const. KW	Chemical Consumption KG/HR			
		m³/hr	gal/hr	m³/d	gal/d			CL ₂	NaOH	KMnO ₄	(PE)
DW	2.5	2.5	550	50	11.000	250	1,5	0,027	0,079	0,0101	0,00063
DW	5	5.0	1.100	100	22.000	500	1,5	0,054	0,159	0,020	0,0013
DW	10	10	2.200	200	44.000	1,000	2,2	0,110	0,318	0,040	0,0025
DW	16	16	3.600	320	72.000	1.600	3,2	0,173	0,508	0,064	0,0040
DW	25	25	5.500	500	110.000	2,500	5,3	0,270	0,795	0,100	0,0063
DW	35	35	7.840	700	157.000	3.500	6,3	0,380	1,113	0,140	0,0088
DW	50	50	11.000	1,000	220.000	5,000	6,6	0,540	1,590	0,200	0,0125
DW	75	75	16.500	1,500	330.000	7,500	7,1	0,810	2,385	0,300	0,0188
DW	100	100	22.000	2,000	440.000	10,000	10,0	1,080	3,180	0,400	0,0250
DW	125	125	27.500	2,500	550.000	12,500	11,0	1,350	3,975	0,500	0,0313
DW	150	150	33.000	3,000	660.000	15,000	11,0	1,620	4,770	0,600	0,075

- 1.1gal(imp.)-4,456Ltr
2. For 20hrs normal operation
3. For 200 ltr water consumption per person and per dat corresponding storage tanks are assigned for approximately 8hr
4. Without intake and High Lift Pumps - see other list
5. Average value depending of the raw water quality

Cl₂ 10G/M³
KmnO₄ 4g/m³
NaOH 30g/m³
PE 0.2 g/m³



OUR FACILITIES



**PROSAN ENGINEERING COY. LTD. ULTRA MODERN WORKSHOP
FOR MANUFACTURING STEEL AND GALVANIZE MATERIALS**



WORKSHOP



Bending Machine 12mm X 5m Capacity



Bending Machine 6mm X 2.4m Capacity



Rolling Machine 20mm X 2.5m Capacity



Cutting Machine 12mm X 1.5m Capacity



OUR EQUIPMENTS



6 MM STEEL PLATE CUTTER



30 TONS MANIPULATOR



20 MM STEEL PLATE CUTTER



150 TONS PRESS



4MM STEEL CUTTING MACHINE CAPACITY



**ROLLING MACHINE
10MM X 2.5 CAPACITY**

**PNEUMATIC BENDING
MACHINE 20MM CAPACITY**



CORRUGATED STEEL ROLLER



SWAGUG MACHINE



OUR EQUIPMENTS



PROSAN ENGINEERING COY. LTD.
CRANE HIRING DEPT



50 TONS CRANE



30 TONS CRANE



18 TONS CRANE



OUR EQUIPMENTS



PROSAN ENGINEERING COY. LTD.
CRANE HIRING AND HEAVY DUTY EQUIPMENTS



PAYLOADER



HIAB CRANE



400 KVA GENERATOR



TATA TIPPER



TATA TIPPER



OUR EQUIPMENTS

TREATMENT PLANT EQUIPMENT

NOS., MACHINE DESCRIPTION		WORKING STATE
13	ELECTRIC WELDING MACHINES	NEW IN EXCELLENT STATE
1	400 KVA GENERATOR SET	GOOD CONDITIONED
1	210 KVA GENERATOR SET	GOOD CONDITIONED
1	200 KVA TRANSFORMER	NEW IN EXCELLENT STATE
1	SAND BLASTING EQUIPMENT	NEW IN EXCELLENT STATE
2	ROLLING & CUTTING MACHINES	NEW IN EXCELLENT STATE
	DRILLING MACHINES EQUIPMENT LS	NEW IN EXCELLENT STATE

CIVIL ENGINEERING EQUIPMENTS

NOS., MACHINE DESCRIPTION		WORKING STATE
1	THEODOLITES	NEW IN EXCELLENT STATE 1
	PIPELINE PRESSURE	
	TESTING MACHINE	NEW IN EXCELLENT STATE
1	DUMPY LEVELS	NEW IN EXCELLENT STATE
1	LASER LEVEL	FAIRY USED



OUR PRODUCTS



OUR PRODUCTS



PONTOON INTAKE STRUCTURE

