

CORPORATE PROFILE

2021 Edition

The Revenue Company



ByteWorks Technology
Solutions Ltd



Welcome to ByteWorks Technology Solutions Ltd

OUR VALUES

Excellence
Integrity
Innovation
Commitment

HOW WE DO IT

We have adopted and use the
4DX as our Execution strategy!

WHY BYTEWORKS?

We are intense and serious about providing the highest grade of software for you. Our values are deeply embedded in all we do for our customers, from organization to benefit realisation and everything in between. Because we understand information and beauty, we involve art, delicacy and rare Quality to produce whatever service or product we offer you. And our people are simply experienced and trained to be adaptive to your needs. For Success, Trust and Peace of mind, people come to byteworks.

WHAT WE DO

We Design , Build and Maintain;

-  Artificial Intelligence
-  Block Chain
-  Billing Systems
-  Web Apps
-  IOT & Sensors
-  Biometrics
-  Data & Visualisations

COMPLIANCE

Incorporation Name:

Byteworks Technology Solutions Ltd

Incorporation Year:

2013

Company Registration Number:

1133029

Tax Identification Number:

6500275117

TRADEMARKS



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support@byteworks.com.ng



TABLE OF CONTENTS

The Revenue Company (CEO's Statement)

CEO's Statement; Mission & Vision;
Organizational Timeline; Organogram

02

What we do

Systems Integration (payment, Legacy
Systems); Revenue Automation Consulting;
Biometric Based Enrolment Services; Data
Transformation Services; App Dev

04

Expert team

The Team of professionals behind the success
of the organization's growth.

06

Our Product

ByteOne; OnPOS; BW Cash POS; IDMS;
Enumeration Cloud Server (EAAS); Indigenous
ICS Suite;

10

Our Projects

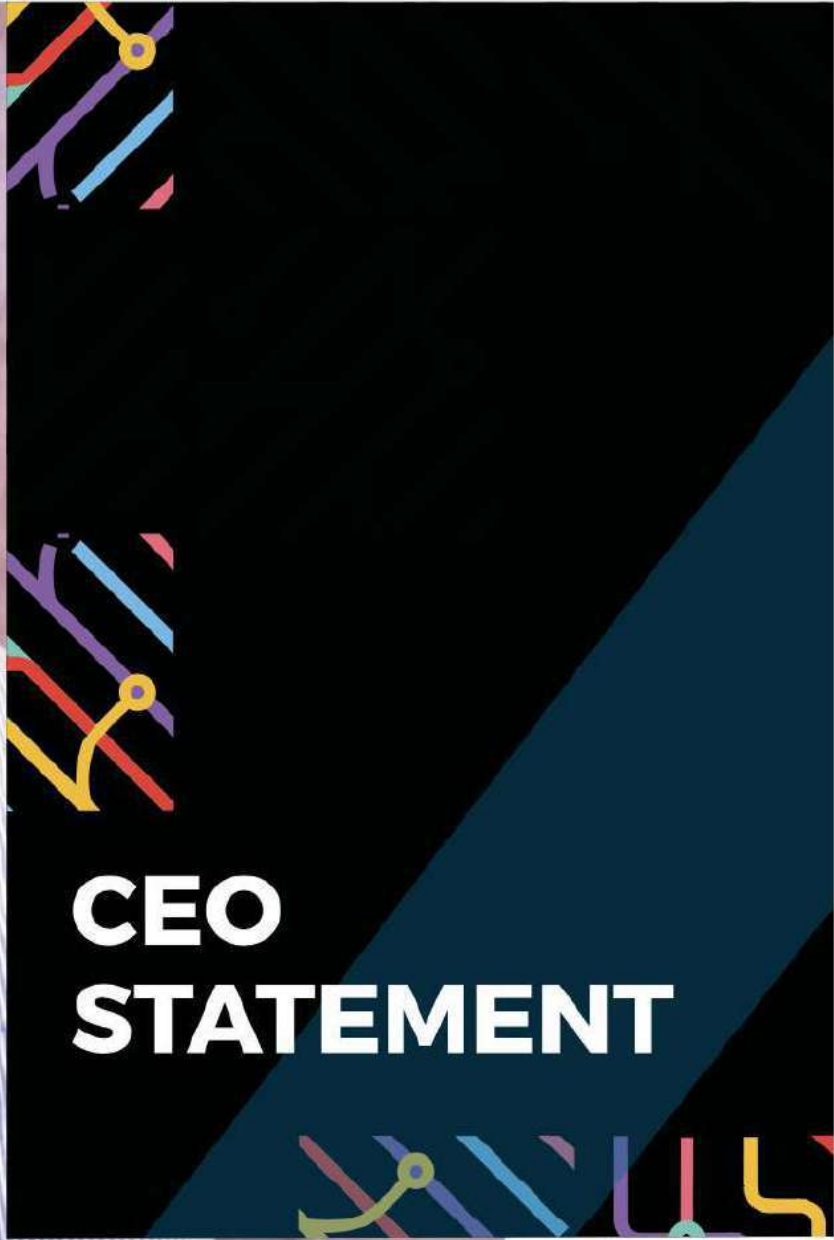
Services.gov.ng; Nimc Biometric Enrollment
Development; MLR; ICS (ENICS, ABIAPay, GICS,
EDO); Ngalaba.com.ng;

14

Our Partners

Our Partners; Aware, Thawte Consulting, NIBSS.
Become a VAR for ICS, Become a VerifyID
Agent/Reseller

21



Thinking ahead for us all

The world is changing **rapidly** in and around us; more recently since 2020 than before! With this speed in growth of information, technology, disruptions with forced adaptations, comes new challenges of scale and integration as well as older problems appearing in new faces.

Thus we know there are things that need to stay the same amidst rapid change. Things like your appetite for high quality, your dedication to people and that priceless peace of mind and security around your information assets, processes and tools....Keep us in mind for this reason!

With so much options and change around you, it is natural to feel a bit confused at times and seek out stable points that help you with decision making! From the business to our homes; we all have options to adopt information systems out there; or design specially tailored ones to meet our specific needs; so you would need good products or good services one way or the other! Someone who understands you and the industry at the same time needs to be handy.... Remember that is why we are here! Byteworks!



As cybersecurity becomes automated with artificial intelligence; we need impenetrable systems conceived at a foundational and deep layer, the design layer! Byteworks uses blockchains to be sure; that those you entrusted with the safekeep of your data do not manipulate it intentionally or otherwise! As threat landscapes in Africa and elsewhere escalate, deep security is practiced in Byteworks.

See more from www.byteworks.com.ng.

Data volumes triple more and this would not slow down; while value for privacy lingers. With disruptive business models challenging your traditional ways of doing things; you know and have come to feel it deep within your insights that you have to strengthen your foundation to be shock resilient, through digital transformation and machine learning to see first what is hidden in all those tonnes of data in and around your enterprise.

Data volumes triple more and this would not slow down; while value for privacy lingers. With disruptive business models challenging your traditional ways of doing things; you know and have come to feel it deep within your insights that you have to strengthen your foundation to be shock resilient, through digital transformation and machine learning to see first what is hidden in all those tonnes of data in and around your enterprise.

Your Flight with Byteworks.

Cutting edge technology like IOT, drones for imagery and information highway design embellished within product development are for breakfast with us.

For lunch, we use blockchain as appetisers, then we do design and documentation for main course, then relish desserts with sound cryptography marinated with API design and containerization

Dinner would be served flying at 33,000 feet in the first class cabin; where you would enjoy your traditional databases, JSON databases and special Big data Sources. We would eat parametric and non-parametric models ranging DNN, to SVM in our learning models, ensuring bias and variance is removed to give you that taste that would support your cruise all the way!

Then we would use the souvenir of dedicated support to keep the cloud service and your apps in good shape, monitoring with data visualization in our Monit Engine... as you land at your destination well rested, well fed, satisfied with the buzzing energy to meet your goals at a personal and business level.

With a committed mind to our environment, support for our governments and a promise to embed our values in all we do for you, we not only thank you for business, we renew for you our deduction to excellence, innovation, commitment and integrity!

Have a must wonderful flight with us, 2021 and beyond!

Osuagwu Czenkwu Edmund

(MD/CEO of Byteworks technology Solutions Ltd)



WHO WE ARE



Our Philosophy

Our philosophy at Byteworks is our belief and statement on truth, our values, our clients, how we work and our vision!

At Byteworks, we believe in Quality as a way of life. We value commitment, innovation, excellence, and integrity. Those are our beliefs and our values.

We approach software development as both an art and a science. We seek to design stable systems not only for the short term but also for your long-term needs. We do not shy away from hard problems; not only because we love challenges any day, but often times; we know therein lies the truth....as such we persevere to completion. **We know that work is only valuable in its completed state.** And we never sleep until our clients succeed!

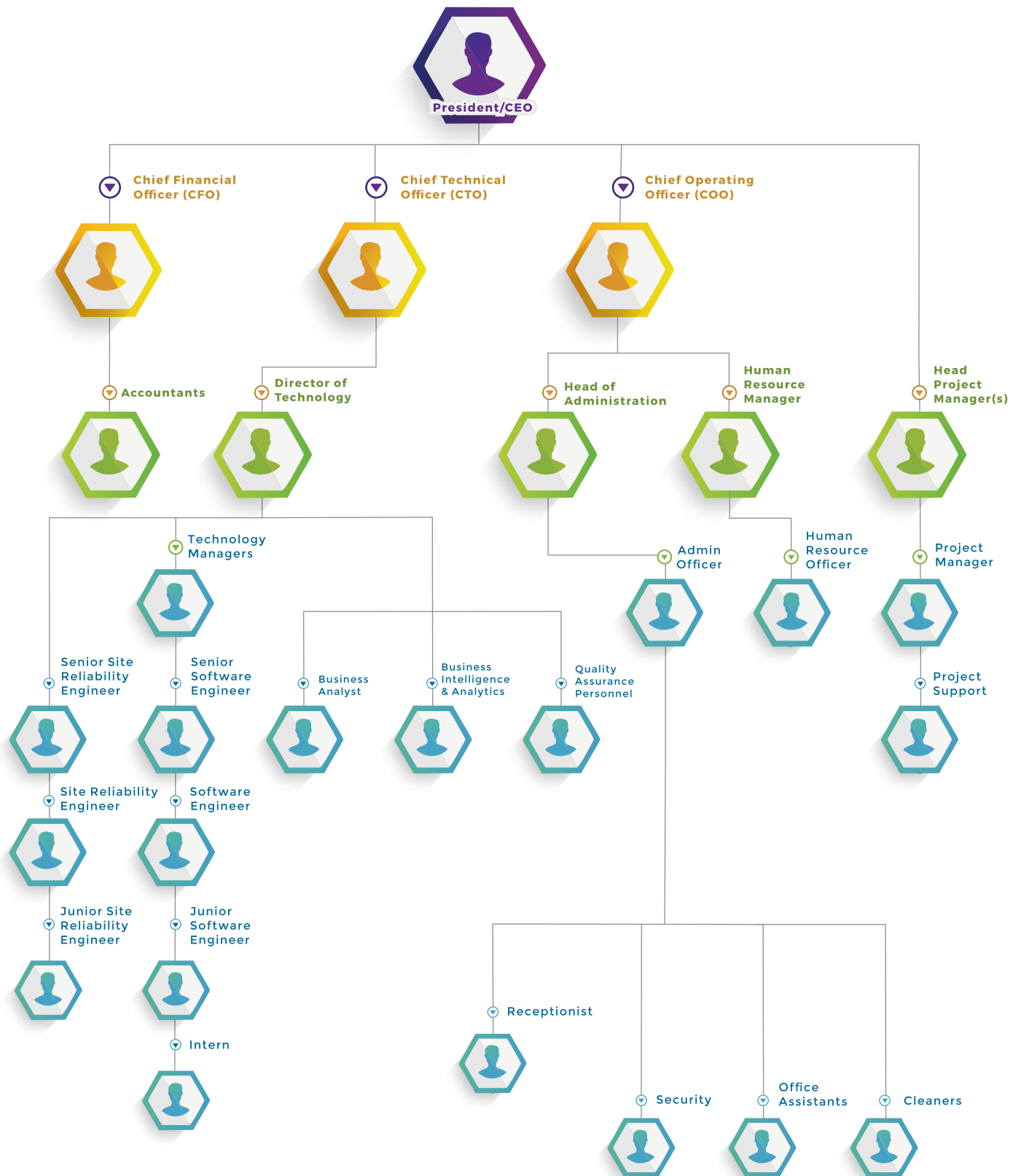
We preserve relationships above all else. That way we not only keep that smile on your face over the years; through times of turmoil and joy, we make it a promise to do so.

We endeavor always to write clean code, and we believe in engineering out bugs before they get to production systems. This is deep in our philosophy and approach to work.

Now if you believe in our philosophy; join us. Get started. Visit <https://www.byteworks.com.ng>



ORGANISATIONAL STRUCTURE



ORGANISATIONAL TIMELINE

2013

Incorporated and Deployed the National Biometric Enrolment Solution for the NIMC. Issuing 10,000 biometrics per day for the last 4 years.



2019

Designed, Built and Developed the Imo State Internal Revenue Central System.

<https://iirs.im.gov.ng>



2014

Designed, Built, Migrated and Deployed the Company Registry for Nigeria, Corporate Affairs Commission. Registering over 5000 companies per week

<https://services.cac.gov.ng>



2020

Designed, Built and Developed the Estate Management Mobile App for NLNG

<https://nlng.estateandhomes.ng/>



2015

Designed, Built and Deployed the Abia State Internal Revenue Cental System

<https://abiairs.gov.ng>



2021

Supporting MTN with NIN rollout Nationwide and Customer Service Support



2016

Designed, Built and Deployed the Gombe State Internal Revenue Cental System

<https://gombeirs.gov.ng>



2021

Supporting Airtel with NIN rollout Nationwide



2017

Designed, Built and Deployed the Enugu State Internal Revenue Cental System

<https://irs.en.gov.ng>



2021

Design and Built the Diplomatic ID Processing Portal for the Ministry of Foreign Affairs.

Project currently ongoing



2018

Design and Development of the Edo State Government Central Billing System.

<https://gombeirs.gov.ng>



2021

Design and Built the Electronic Documents and records management system

Project currently ongoing



WHAT WE DO

We are an indigenous Software Design Manufacturer. We develop systems and solutions around revenue assurance for governments, biometric-based identity systems for private and public institutions; and develop enterprise and client-based software. We design and build Identity Management solutions for different industry segments from e-Government to Income Tax industry solutions. Our technology scope includes Apps, Systems Integrations, Enterprise Systems Design, Enterprise Solutions on Web/Offline technologies.



**WEB
APPS**

**IOT
AND SENSORS**

**BILLING
SYSTEMS**

BLOCK CHAIN



**ARTIFICIAL
INTELLIGENCE**

BIOMETRICS

**DATA AND
VISUALISATIONS**



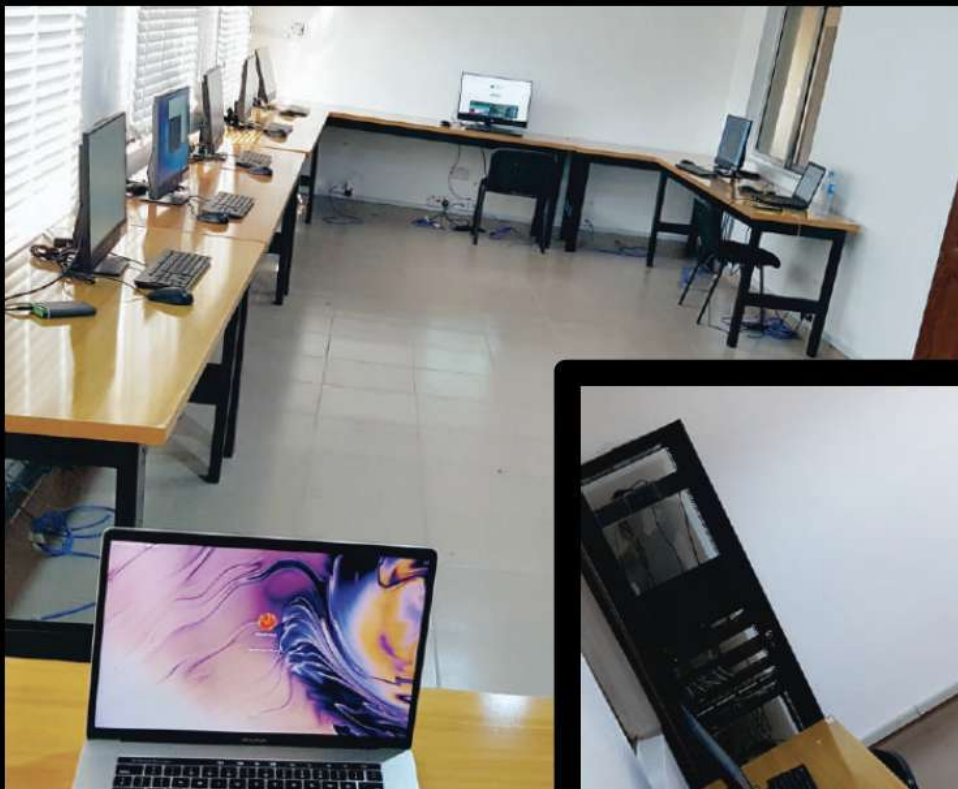
BYTEWORKS ARTIFICIAL INTELLIGENCE LABORATORY



For more information visit:
<https://ailabs.ng/>



A High-tech Computer Laboratory With The Latest Technologically Advanced Systems In The Field Of AI, designed to promote the best teaching and learning experience for students of all ages.



 **Professor C.C Osuagwu**
Artificial Intelligence Lab
Sponsored by ByteWorks
Technology Solutions Limited



**WORK IS ONLY
USEFUL AND
VALUABLE
IN ITS**

**COMPLETED
STATE.**



ByteWorks Technology
Solutions Ltd



EXPERT TEAM

Osuagwu Ezeukwu Edmund

President/C.E.O

Founded ByteWorks in 2013. He has built and deployed various technological platforms tailored towards improving electronic governance in Africa. He holds two degrees (B.ENGR First Class Honors) from UNN & PGD (Science & Engineering from University Of Liverpool UK.



Iloeje Nnaneme

Vice-President/C.T.O

An Information Technology professional, with deep knowledge and vast experience in enterprise systems design, implementation and security. He has a First Class in B. Eng Electrical Electronics from UNN, Nsukka and M. Sc control systems (Distinction) from Imperial College, UK.



Ngozi Ofoefule

Head IT Service Management

An experienced software engineer with expertise in Database Administration, Programming, Data Analysis and DevOps.

She manages software design and implementation, software deployment, product development and quality assurance.

To read the complete profile(s) visit our website at

<https://bytework.com.ng/management-team/>

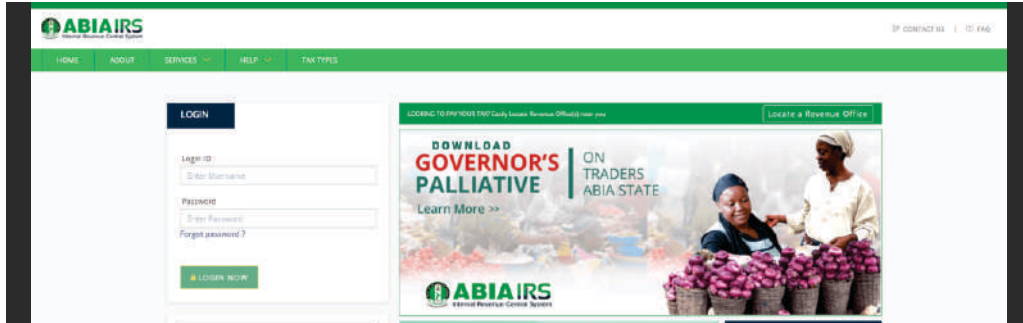


OUR PRODUCTS



ICS PORTFOLIO (INTERNAL REVENUE CENTRAL SYSTEM)

Tax management application | Flying Revenue | Informal sector collection automation | MDA automation | Land use charge | Tenement rate



The ICS is our Internal Revenue Central System. This powerful product allows the full monitoring and automation of all tax and non-tax revenue activities; in any state of a country.

The ICS avails the Internal Revenue Service the ability to print e-TCC (electronic tax clearance certificates), electronic payment, electronic assessments, electronic identification of tax payers, and electronic based audit.

ICS has **advanced insights** and **BI systems** that help the customer gain additional perspectives on their data. Securely hosted with our cloud infrastructure; Byteworks powers the ICS; for sustainable development and growth in any state it is deployed.

So far, Byteworks has deployed AICS (for **Abia State**, Nigeria) and ENICS (for **Enugu State**, Nigeria)

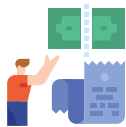


Flying Revenue

(Keke, taxi, bus, lorry, automation)



MDA automation



Tax management application



Informal sector collection automation



Land use charge



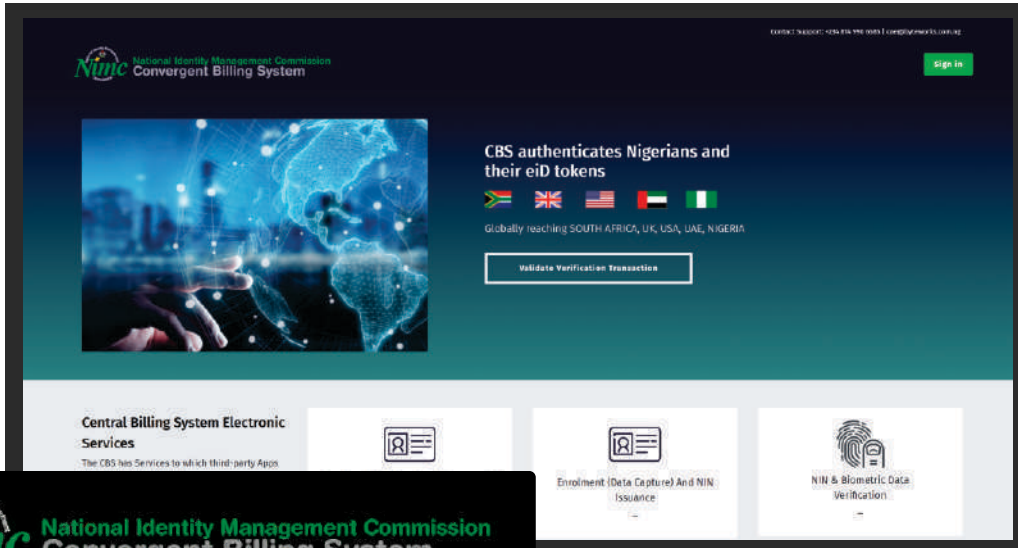
Tenement rate



OUR PRODUCTS



E-GOVERNMENT PORTFOLIO CBS (Convergent Billing System)



visit <https://nimccbs.gov.ng/> for more

The CBS on ByteOne is a billing engine compliant with Public Sector Accounting policies (IPSAS Compliant). The CBS is secure, scalable, a highly efficient system that allows it to be embedded with the Enterprise environments such as National Identity Projects: State and Municipality revenue systems, Telecommunication and banking environments.



National Identity Enrolment Solutions

The National Identity Management Commission (NIMC) as a ByteWorks Client, required the biometric-based enrolment of all Nigerians for the issuance of the NIN (National Identification Number).

The customer required the capture of demographic information as well as Multi-Modal biometrics (Finger, Face with ICAO compliance and IRIS).

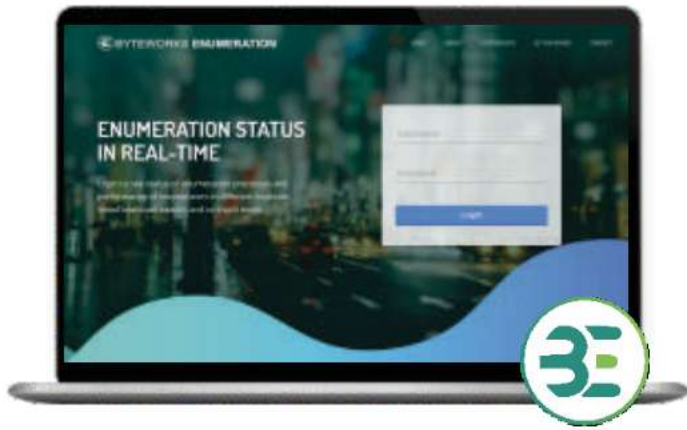


OUR PRODUCTS



IDENTITY MANAGEMENT SOLUTIONS

IDMS Cloud | IDMS Client | Enumeration Demographic App| VerifyId.Africa
| Property ID & Geo-tagging systems



ENUMERATION AS A SERVICE (EAAS) / EAAS CLIENT APP

The bedrock of information is data. Byteworks engages in Enumeration of data for both the public and private sectors. With our BytePad (Biometric=Based) and our BW Enumeration app; we are able to provision data. The data needs of public sector institutions range from planning; revenue assurance, security amongst others. With the EAAS; we have offered a cloud service;
<http://enumeration.byteworks.com.ng> for all your demographic data needs.

We have provided these services for the following Institutions:

- Niger State Government of Nigeria
- Gombe State Government of Nigeria
- Abia State Government of Nigeria



IDENTITY LIFE CYCLE MANAGEMENT SYSTEM

Visit: www.byteworks.ng/idms for more.

With our Identity Lifecycle Management System (IDMS); biometric based capture, Singleton or Cloud de-deplication, card personalization (ISO/IEC 14443) is all a breeze. IDMS\ was innovated for small scale identity projects such as State and Local governments, Schools, Offices and Factories.



Verify You Users using our robust API's

We provide a wide range of verification service through our awesome API for users verification needs with ease

- NIN Verification
- Fingerprint Verification
- Face Validation

For more information visit:
<https://verifyid.ng/>

OUR PRODUCTS



@TaxCard[®] MOBILE APP

Making Tax payments trusted
& easy for the citizens!



Supported by



With eTax Mobile you can:

- ✓ Receive and access the e-Copy of your revenue receipt
- ✓ You can self register yourself and have a digital ID
- ✓ Electronically confirm all bills in real time
- ✓ Access and download your eTCC
- ✓ Avoid Double Taxation or illegal revenue completely
- ✓ Easy perform self assessment and pay for your assessment online

Downloadable Now on





<https://www.tracksqr.com/>

Be empowered to keep track of important events with just One Scan!

Visitors can range from government, to service providers or even your staff, friends and family.

YOUR EASY WAY TO SIGN-IN IN ANY PREMISE



TracksQR helps you keep **track of assets** with just one Scan, using the Smart asset Badge



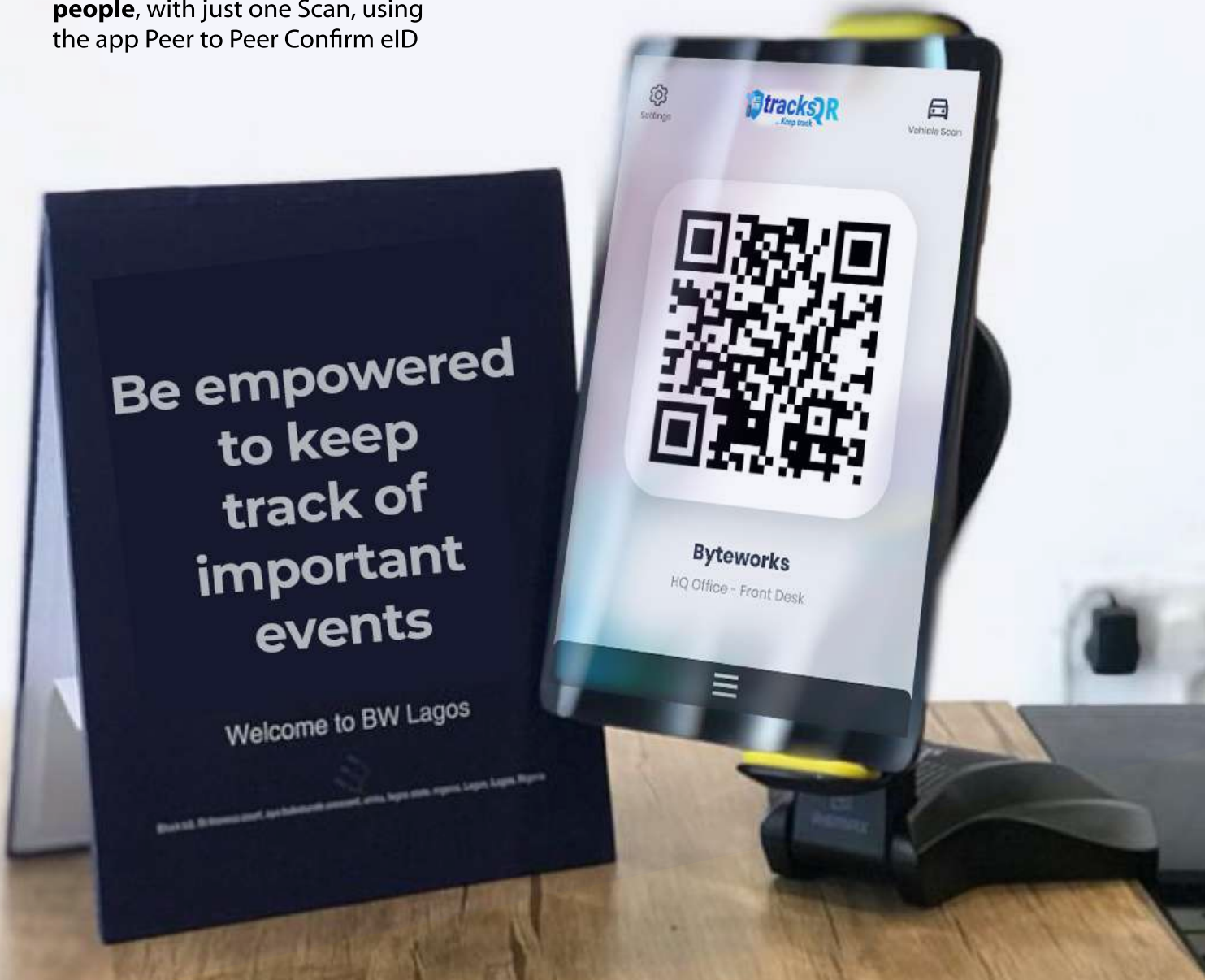
TracksQR helps you keep **track of activities** with just one Scan, using the Electronic Registries



TracksQR helps you keep **track of people**, with just one Scan, using the app Peer to Peer Confirm eID

Revolutionalising the old questions of who, where, when, what, why and how?

For every visitor across all your premises; and presenting it in wonders is why you should subscribe at <https://www.tracksqr/sign-up>



OUR PRODUCTS



DentalDoor is an online platform that seamlessly connects dental stakeholders (Dental Offices, Dental Professionals, Patients) and unifies the services and dental solutions rendered by each stakeholder.

Visit <https://www.dentaldoor.com/> for more



BETTER MANAGEMENT, BETTER ENGAGEMENT, ALL IN ONE SYSTEM.

Estate and Homes puts puts the power of simplified interactivity in the fingertips of residents — no matter where there are! Whether they are working in an office or on-the-go, they can always monitor activities in the estate from their mobile app.

Visit <https://www.estateandhome.com/> for more





WE
RE-IMAGINE
REALITY

with The 4 Disciplines of Execution (4DX)

...Kaizen, Continuous
Improvement Organisation

Visit our website at
www.byteworks.com.ng

OUR PROJECTS



[NIMC Enrollment Solution](#)

Design, Build, Deploy, Support since 2012 - till date



CORPORATE AFFAIRS COMMISSION

[Services.CAC.gov.ng](#)

Design, Build, Deploy, Support since 2014 - till date



SERVICES.GOV
Federal Republic of Nigeria

[Services.GOV](#)

Design, Build, Deploy, Support since 2013 - 2017



ABIAPAY

[abiairs.gov.ng](#)

Design, Build and Deployment in 2016, Including Data Capture Services



ENUGU STATE INTERNAL REVENUE SERVICE

[irs.en.gov.ng](#)

Design, Build and Deployment in 2017, Including Data Capture Services



[nlng.estateandhomes.ng](#)

Design, Build and Deployment in 2020

ACTIVE

PROJECTS

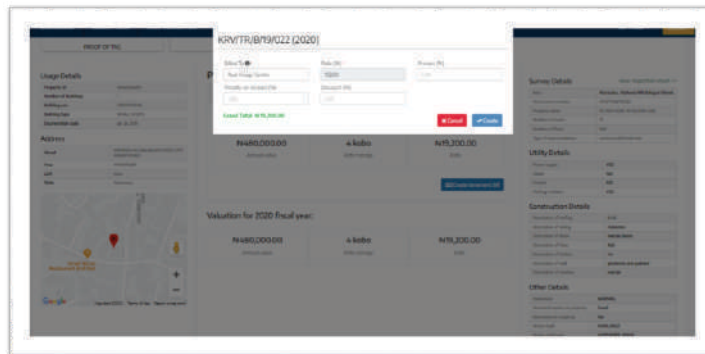
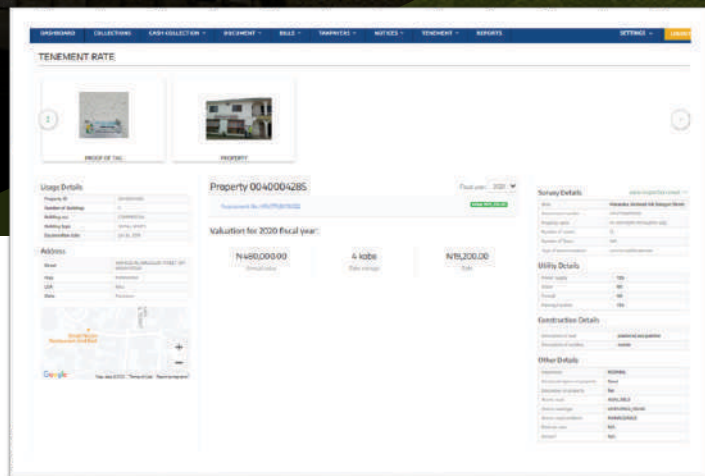


National Support of the **NIGERIAN eID**



TENEMENT RATE SOLUTION

Electronic Tenement Rate Assessment Bill



Once inspection has been completed on the field, the inspection details are captured against the surveyed property and the inspection notice is uploaded for proof of inspection.

After uploading the document, the tenement office then proceeds to access the property using the rental method, he enters the outgoings and gross rent which is automatically calculated at a given rate agreed by the council, the assessed annual value and the annual value is captured and is saved, and a bill can now be generated by clicking on create tenement bill. See below for the tenement generation interface.





Supporting MTN and Airtel with **NIN ENROLLMENT NATIONWIDE**



There has been a growing need for the Telecoms to perform NIN enrollment of citizens during the process of SIM registration.

Byteworks is happy to continue to support MTN and Airtel in successful NIN rollout nationwide



OUR REVENUE AUTOMATION DEPLOYMENTS

ICS solutions have already been deployed for the states below:



ANAMBRA STATE GOVERNMENT
<https://irs.en.gov.ng>
<https://anambrairs.com.ng>



ENUGU STATE GOVERNMENT
<https://irs.en.gov.ng>



ABIA STATE GOVERNMENT
<https://abiairs.gov.ng>



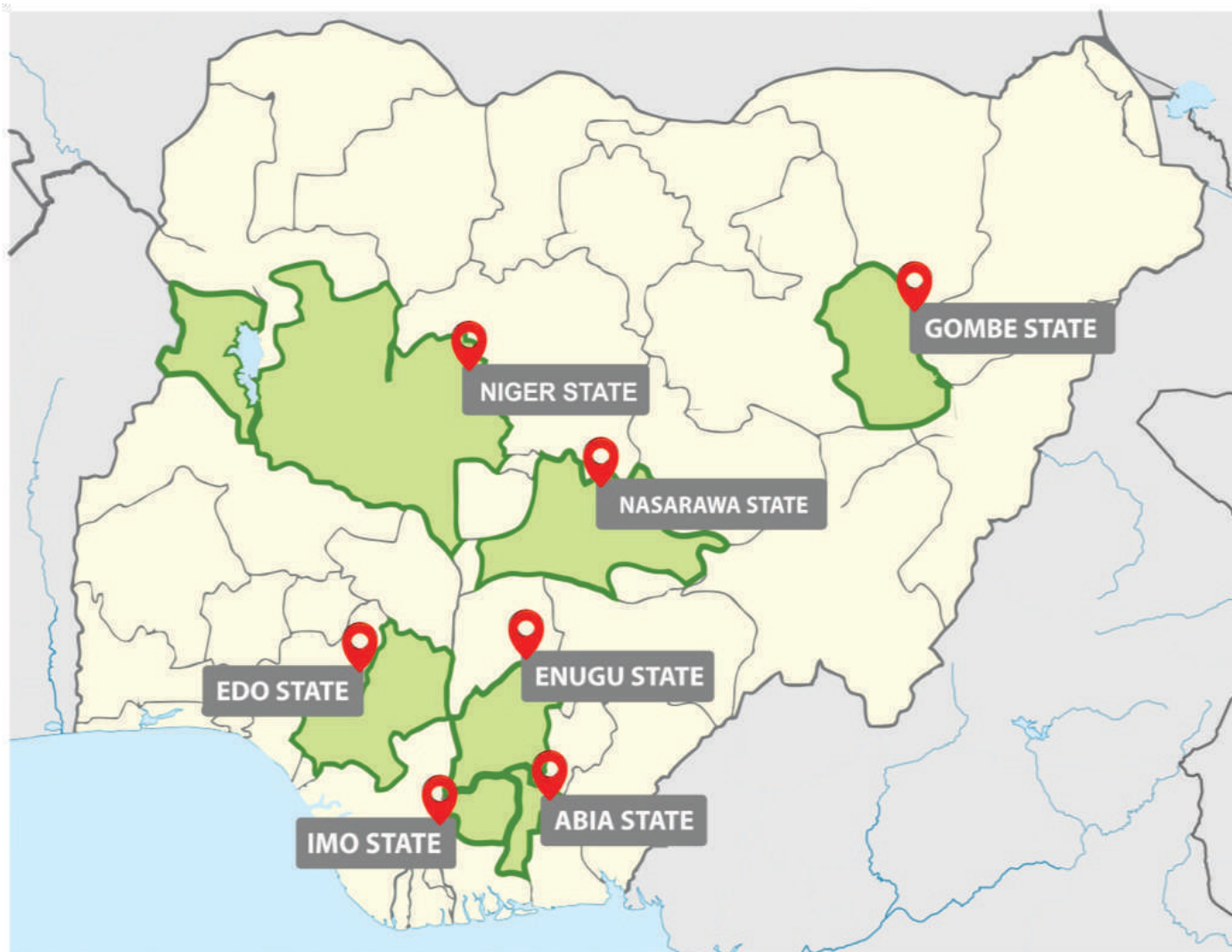
EDO STATE GOVERNMENT
Under Implementation



GOMBE STATE GOVERNMENT
<https://gombeirs.gov.ng>



IMO STATE GOVERNMENT
<https://iirs.im.gov.ng>



SOME OF OUR CLIENTS



Federal Republic of
NIGERIA



Edo State
GOVERNMENT



**ARAB
CONTRACTOR**



Mobile Telephone
NETWORK



Enugu State
GOVERNMENT



University Of
NIGERIA NSUKKA



Zenith Bank Plc



Abia State
GOVERNMENT



THE NO.1
REVENUE
ENGINE IN



NIGERIA

WELCOME ONBOARD!

visit www.byteworks.com.ng for more information



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NSUKKA: BYTELABS AND AI HUB


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University of Nigeria, Nsukka (UNN)
ETF Building, Faculty of Engineering

BRANCH OFFICE (LAGOS)

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REACH US

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