



**PAINTS & COATINGS
MANUFACTURERS NIGERIA PLC.**

Your ultimate protection against corrosion

International[®]
Protective Coatings

EXCLUSIVELY MANUFACTURED
IN NIGERIA UNDER LICENCE
FROM INTERNATIONAL PAINT

PROUDLY MADE IN NIGERIA

**2014 PCMN Launches *Mozzi*[™]
Range in Nigeria as we join the
fight against Malaria in Nigeria**

- see page 7 for details



**NEWS
FLASH**

**PCMN achieves ISO 14001 & ISO
18001 certification in 2013**

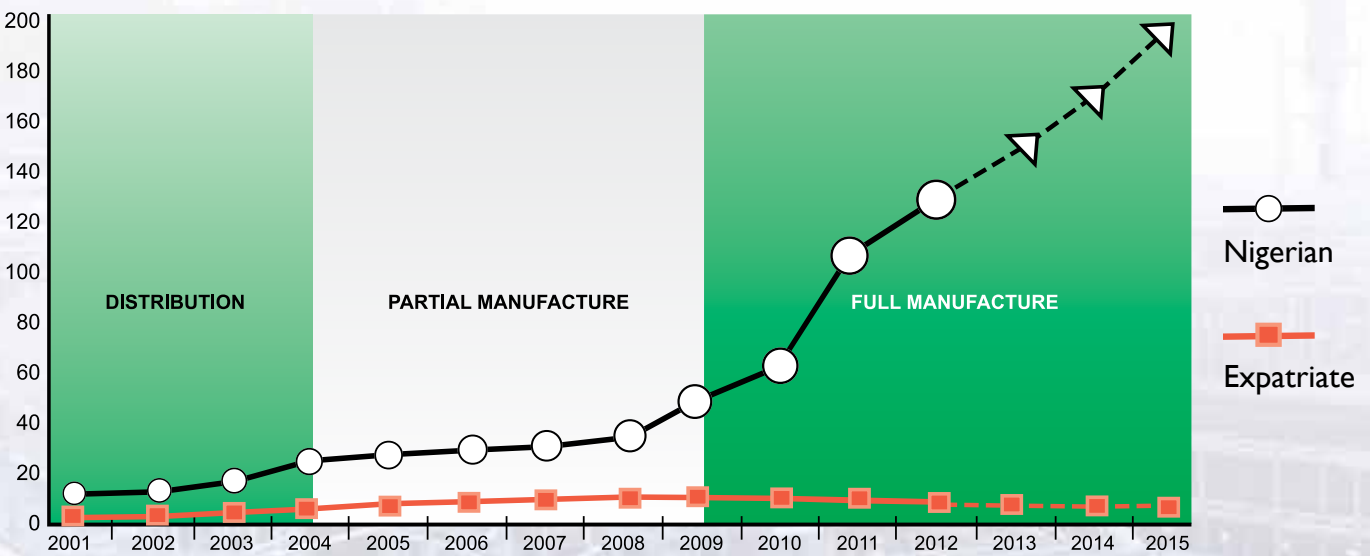
NIGERIAN CONTENT DEVELOPMENT IN ACTION

Paints & Coatings Manufacturers Nigeria Plc, is proud to have evolved from the Sole Authorised Importer/ Distributor of International Paint products in Nigeria at inception in 2001, to now being the Sole Manufacturer of International Paint in Nigeria. In 2009 PCMN was awarded sole manufacturing rights by International Paint and became a fully fledged Paints & Coatings Manufacturer in Nigeria. PCMN has been listed on the Nigerian Stock Exchange since November 2010.

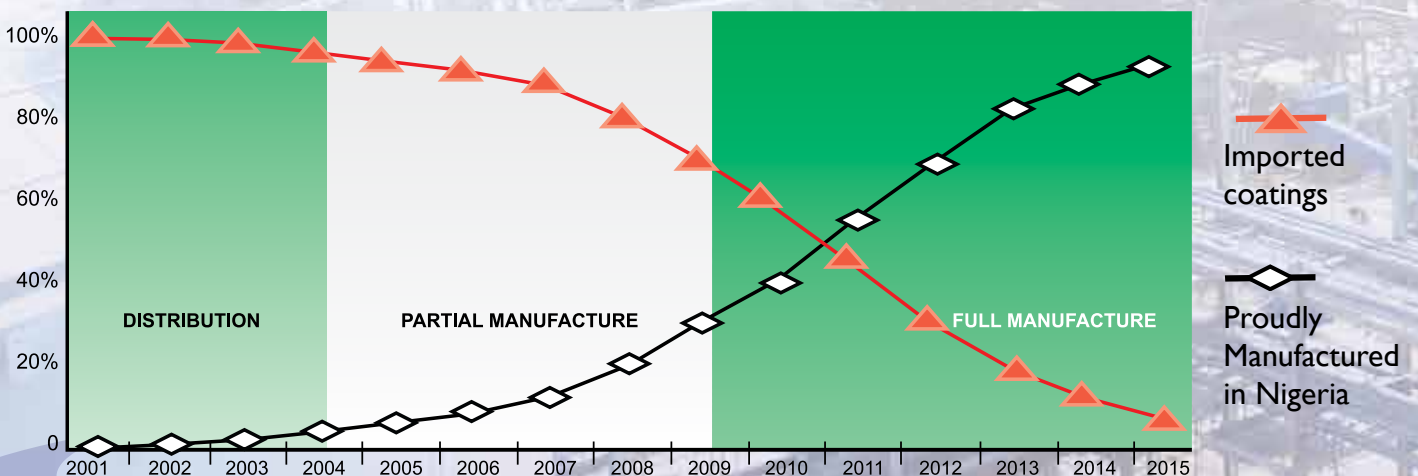
JOB CREATION AND LOCAL MANUFACTURING IN ACTION FULLY COMPLIANT WITH LOCAL CONTENT LAW

PCMN increases its Staff complement from 20 to 120 employees and still climbing as a direct result of manufacturing products in Nigeria

Employment Growth Achievement Graph 2001 to 2015



Proudly Nigerian Manufactured V Imported Product



MANUFACTURING CAPABILITIES

PCMN Plc is fully equipped in every way to meet the needs and demands of the Oil & Gas and Marine Industry in Nigeria. Present installed manufacturing Capacity is 14,000,000 litres per annum. Additional installed capacity underway to increase the manufacturing capacity to 20,000,000 litres per annum



World Class HSE



World Class OHSAS



World Class Environmental Controls

WORLD CLASS QUALITY

PCMN Plc is an ISO 9001:2008 certified manufacturer. The PCMN Laboratory is equipped to meet the global standards set by International Paint. PCMN has fully qualified chemists who have been trained to meet and exceed the standards of International Paint global quality requirements.

International Paint provide ongoing support to the quality standards of PCMN through regular quality HSE and manufacturing audits ensuring that PCMN meets the global quality and manufacturing standards of International Paint.



ISO 9001:2008 - ISO 14001:2004 - ISO 18001:2007 Certified

A HOLISTIC OFFERING TO CLIENTS IN THE FIELDS OF CORROSION PROTECTION AND COATING SYSTEMS

PCMN Plc, to enhance its service to clientele within Nigeria, offers a complete suite of services to its customers, to compliment its manufacturing and distribution capabilities, providing clients with a “one stop shop” solution.

These Holistic services include the following:

Asset Surveys:

- Interplan ® Condition Assessment and Report of a clients assets: Covering FPSO's, Platforms, Buoys, Vessels, Tanks, Refineries etc provides clients with a comprehensive report on current condition of assets, highlights the critical, medium and low levels of Corrosion, provides surface area assessments and prioritises works to be undertaken, as well as recommended Specifications (Interspec ® to upgrade clients assets to a good condition)

Project Management:

- PCMN offers Project Management services to clients who wish to outsource the overall management of their Corrosion Protection Projects

Technical Support:

- Through the Provision of NACE Level 2 & 3 Coatings Inspectors to undertake inspections throughout the tenure of a Project or periodically as required, PCMN ensures the quality of application works.

Procurement Services:

- PCMN Procurement Services are able to provide their clients complete needs for corrosion protection projects relating to plant, tools, equipment and consumables for Coating Projects

Training:

- Formal Training and Certification of application personnel in the fields of coatings application, spray painting, blastcleaning and supervision are offered through our globally certified ICATS courses



CASE STUDY: ESCRAVOS



A truly global project currently underway with manufacture carried out around the world. International Paint were appointed as the Sole Coatings Supplier for the Project. This project will have used over 500,000 litres of coatings and linings systems on completion. PCMN has fully trained over 200 Nigerian nationals in all facets of corrosion protection systems on this project.

CASE STUDY: BONGA FPSO



With fabrication works carried out in South Korea, UK and Nigeria, Bonga FPSO was a truly Global Project, with International Paint as the sole choice coatings supplier and PCMN intimately involved in local supply and training of Application teams in Nigeria.

MARINE

With manufacturing capacity in excess of 10 million litres per annum, PCMN is able to meet growing local Nigerian ship-repair market for coastal and deep-sea vessels as well as new vessels built for Nigerian owners around the world.

New fleets of LNG Carriers to meet the demands of Nigeria's burgeoning Oil & Gas market are needed to transport the liquefied gas around the world.

PCMN manufactured International Paint products with global logistics networks, ensures paints manufactured in Nigeria can be exported and applied to Nigerian vessels built anywhere around the globe thus proving that Nigerian Content Development and capacity building truly works.

Ballast Tank Coatings

- Intershield 300 – PSPC approved abrasion resistant ballast tank coating
- Interguard 343 – Epoxy universal primer coating

Topsides, Decks, Tank External areas

- Interzinc – Range of Inorganic & Epoxy zinc primers
- Intershield – modified epoxy abrasion resistant coatings
- Interthane – Acrylic urethane topcoat

Cargo Tanks

- Interline – Range of pure epoxy & epoxy phenolic tank linings
- Interzone - Chemical resistant reinforced lining systems

Underwater Hull, (Antifouling Area)

- Intersmooth – High solids hydrolysing self-polishing system
- Intersleek – biocide free, foul release coating

Technical Service Support

Nace qualified Technical Service Representatives on hand from surface preparation to the finish coat to provide sound technical advice to make sure our products are applied to the highest quality standards and correct specification.

Proudly made in Nigeria

**ISO 9001:2008 - ISO 14001:2004
ISO 18001:2007 Certified**



MOZZI™ - THE SOLUTION!

Mozzi™ is a revolutionary, multi-functional mosquito repellent range that neutralizes a mosquito's sensors and prevents the mosquito from landing. If a mosquito cannot land it cannot feed, which means it cannot transfer disease.

Mozzi™ provides non-invasive protection against Malaria, Yellow Fever and Dengue Fever carrying mosquitoes.

The multi-functional **Mozzi™** range is:

- ✓ Non-invasive
- ✓ Non-toxic
- ✓ Innovative (Nanotechnology-based)



- **Mozzi™ Paint Range of Coatings** - Protects for up to 3 years - Is suitable for applications to a wide range of substrates and available in over 30 000 colours.
- **Mozzi™ Aerosols** - Protects from 1 - 3 months
- **Mozzi™ Sprays** - Protects for up to 3 months
- **Mozzi™ Solutions** - Protects for up to 1 month



MozziCare 100: Premium mosquito-repellent interior grade acrylic emulsion, available in smooth satin and silk finish



MozziCare 200: Premium mosquito-repellent exterior grade acrylic emulsion, available in matt smooth finish



MozziCare 300: Premium interior and exterior mosquito-repellent enamel gloss



MozziCare 400: Economy grade interior and exterior mosquito-repellent emulsion, available in smooth matt finish



Mozzi™ Fabric & Textile Aerosol Spray: Nanotechnology provides long-lasting protection for up to 3 months and many washes before re-treatment.



Mozzi™ Clothing Spray (100ml): Spray your clothing items for up to 1 month's protection before re-treatment.



Mozzi™ Surface Spray: Internal and external surface applications (for walls, ceilings, door entrances) for up to 3 months protection



Mozzi™ Soak & Dry Clothing Application: 1 application = 1 month protection against mosquitoes and biting insects

ASSET INTEGRITY SURVEY SYSTEMS BY PCMN

The annual cost of corrosion worldwide is in excess of \$3 trillion (USD)



Interplan is bespoke Asset Integrity Survey System which provides a comprehensive condition report for Onshore & Offshore facilities to determine levels of severity of coating failure and corrosion in accordance to ISO standards.

The report additionally provides specific specifications to carry out maintenance repairs. The report also provides a multi-year prioritised maintenance planning system including budget cost to assist maintenance engineers in long term maintenance planning.

The life cycle condition monitoring facility measures actual condition changes against a mode of deterioration model using environment condition definitions defined in ISO 12944.

External Areas - Deck, Modules, Heli-Deck, Flare Stack, Turret



Scattered corrosion to Main deck of FPSO

Maintenance Year	Prioritised Sequence Numbers	Scaffolding, Preparation & Paint Application (Estimate of Total Manhour)	Paint Materials (Estimate of Litres)
Year 1 - 2013	1 to 31	25,160	22,106
Year 2 - 2014	32 to 57	24,959	6,263
Year 3 - 2015	58 to 62	24,784	5,063
Year 4 - 2016	63 to 73	25,220	3,889
Year 5 - 2017	74 to 90	23,884	3,567
Year 6 - 2018	91 to 104	24,108	3,158
Year 7 - 2019	105 to 114	9,263	971

Maintenance schedule planning – Multi-year prioritises work-scope with estimates of man hours / cost



Corrosion under passive fire protection system (CUF)



ICATS – INDUSTRIAL COATINGS APPLICATOR TRAINING SCHEME

Training

PCMN is proud to have been appointed as the SOLE training provider for Nigeria for the Institute of Corrosion Applicator Training Scheme, ICATS (UK), which is a world recognised training and certification scheme for coatings applicator

ICATS is a comprehensive structured training scheme which provides for the development of an education program to develop the skills of all workers within the surface preparation and coatings application industry.

The courses are suitable for both experienced and newly recruited personnel as well as those personnel within Block Operators involved in Corrosion Protection contracts.



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