



**National Order
of Civil Engineers**



24th ORDINARY GENERAL ASSEMBLY

BEST WESTERN Plus Hotel, Douala - April 29, 2022



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EDITORIAL

Kizito NGOA, Eng.
President of the Order

At all times, the Engineer is called upon to solve technological problems, concrete and often complex, related to the design, production and implementation of products, systems or services. To assume such a strategic role in society, this professional must master a body of technical knowledge based on a solid scientific culture.

On a daily basis, the Engineer therefore pushes the limits of science to serve humanity. Such a responsibility cannot be assumed without adhering to fundamental values. This is why, in Cameroon, the exercise of the profession of Civil Engineer is based on competence, responsibility, a sense of ethics and social commitment. But also, any Civil Engineer who exercises his profession must be a member of the Order.

Being a member of a professional order is a privilege granted by Cameroonian society which recognizes the right of certain people to practice a particular profession. In return, to maintain its confidence in these professionals, the public expects them to provide their services in a competent and responsible manner.

Thus, the professional system of Cameroon recognizes that only Civil Engineers who are registered on the Roll of the Order have the right to perform the many professional acts reserved for the profession or, in other words, to practice as of Engineer.

This way of doing things is intended to preserve public confidence in professionals, including Engineers, since they offer their services to society. By protecting the public, the Order contributes to the reputation of integrity and professionalism that accompanies the title of Engineer.

But such a privilege entails obligations towards Cameroonian society. Thus the profession is regulated for one and the same purpose: to protect the public. In this chapter, Engineers are no exception. This is why in their professional activities, they are governed by the Law, the Internal Regulations and the Code of Ethics.

The National Order of Civil Engineers is precisely mandated by the Cameroonian Government to ensure that all respect this legislation. ■

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Programme of the 24th Ordinary General Assembly

8:30 – 9:30 am	Welcome and registration of members of the Order
9:30 – 10:00 am	Arrival of invitees
10:00 am	Word of welcome from the Town's Mayor
10:05 am	Message from the Regional Representative of the Order
10:10 am	Speech of the President of the Order
10:20 am	Opening speech of the Minister of Public Works
10:30 am	Conference "Engineer and society"
10:45 am	Graduation of members of the Order
11:00 am	Photographs - Coffee Break - Departure of invitees
11:30 am	Swearing in of Engineers
12:30 am	Election of bureau of the General Assembly
	Examination and adoption of the agenda
	Progress report of Council for the years 2020 and 2021
	> Actions executed
	> Financial balance sheets
	Oversight audit report
	Approval of the GA
	Examination and adoption of 2022 action plan
	Examination and adoption of the Draft 2022 budget
	Electoral agenda
	Other matters
3:30 pm	End of the program

The Vision of the Order

To become a unifying body and a benchmark of professionalism and expertise in Civil Engineering

The missions of the Order

- Ensure compliance with the principles of morality and devotion which are indispensable for the practice of the profession of Civil Engineer
- Ensure the promotion of the profession of Civil Engineer



Hotel Bonanjo, Bonanjo, Douala - Cameroun



Ce projet a consisté en la réalisation dans un sous-sol, des fouilles d'une profondeur de 10.6m pour un parking souterrain à 3 niveaux pour un hotel de 14 niveaux.

Ce bâtiment est situé sur une parcelle du centre de Douala et entouré par des rues et des édifices. La première excavation a été assurée par la société en charge de la construction, ils ont vérifié et se sont rendus compte que, l'excavation pouvait occasionner un éboulement des rues et les bâtiments environnants, à cause de ce risque, les autorités locales par précaution, ont décidé de fermer la circulation dans lesdites rues.

TERRATEST a été consulté pour étudier une solution de stabilisation, qui devrait permettre la restauration de la circulation des véhicules dans un bref temps et que, la solution(exécution des murs ancrés a été la plus raisonnable possible pour être intégrée dans le budget initial.





THE ENGINEER AND SOCIETY

► Abstract

A paper prepared by **Engineer Emeritus Michael Ajua Alemanji**. The topic for this presentation should not be confused with the Engineer in society, because the Engineer in society is just an ordinary citizen.

However, the Engineer and society is a reflection of the relationship between the Engineer and the activities or services which he can render to the society he lives in.

But then we may ask, who is an Engineer? In 1868, John Seymour Lucas during a conference of Engineers at Me-nai Strait, Wales, said, *“an Engineer is a professional practionner of engineering concerned with applying scientific knowledge, mathematics and ingenuity to develop solutions to technical and practical problems”*.

The word “Engineer” is derived from the latin root **Ingenium** meaning “cleverness”. The mission of Engineers is to transform the face of the earth, conceive, design, build, maintain and control the putting in place of infrastructure of all kinds for the advancement of mankind.

This write up is an attempt to demonstrate how the Engineer has used his technical know-how to advance the frontiers of the socio-economic development of society. By transforming the innovative creative project ideas conceived by their predecessors into reality, the Engineer improves the living standards for mankind.

This write up will examine in summary form how marrying their technical know-how and the political will to develop, based on economic imperatives has transformed the project ideas, once considered as myths into reality.

For example, when in 1802, the French Engineer, Albert Mathieu, first mooted the creative idea of building a tunnel to connect France on mainland Europe with Island Britain (he must have been dismissed for a dreamer).

Fortunately, economic imperatives forced the French and the United Kingdom governments to award a franchise for 50 years to a consortium Eurotunnel to construct and operate the tunnel (on a build operate and transfer-BOT).

We shall also examine what has become known as the Indian Telecommunication miracle. The Indian Prime Minister Rajiv Gandhi invited Sam Pitroda, a US-based non-resident Indian and requested him to set up a centre for the development of telematics to manufacture electronic telephone exchanges in India for the first time. Today India, with a subscriber base of more than 1,151 million mobile telecommunications system, is the second largest in the world.

When a road accident caused the Mungo Bridge to collapse on July 1st 2004, Cameroon Engineers quickly proposed and installed a temporary bridge using a large pontoon from the Cameroon Shipyard and Industrial Engineering Company in Douala.

An Emeritus Cameroon Engineer and economist has researched the problems facing our society on the street, and published a pionnering text book **“The city street in Cameroon”**, a guide to street and city management. His creative innovation is the proposal to construct a six lanes supper highway linking Bekoko junction on the Douala – Tiko, Douala - Bafoussam highway to the entrance of Dibamba bridge on the Douala – Yaounde highway. ■



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While complying with the terms of the 2020 action plan presented and approved by the General Assembly meeting held in Yaoundé on 22 February 2020, the Council of the Order had been active in making sure that the activities envisaged (and most especially the celebrations of the 20th anniversary of the Order), were carried out in spite of the difficult health context marked by COVID-19.

Since it was not authorised to organise a General Assembly meeting in 2021, the Council of the Order adopted, at the beginning of the 15 January 2021 session, to implement the major headings of its recurrent budget based on the principle of “*provisional twelfths*” and to obtain exceptional authorisations in view to carry out certain activities deemed indispensable and not featuring in the 2020 action plan or budget reconfirmed for 2021.

THUS, IN THE COURSE OF THE 2020 FINANCIAL YEAR

1- HIGHLIGHTS

- Publication of the Roll of the Order featuring exclusively the names (presented in alphabetical order) of Civil Engineers who are up to date with their subscription fees
- Over 3.000 enrolment numbers were granted by the end of the year 2020
- Finalisation of the process for the registration into the Order of certain graduates of former FGI and former ISS after having undergone the CIVIL ENGINEERING SEMINAR
- Graduation ceremony of Civil Engineers
- Celebration of the 20th anniversary of the Order (CIVIL ENGINEERING SEMINAR, INTERNATIONAL SYMPOSIUM, INTEGRATION AND GRADUATION CEREMONY, ENGINEER'S GALA NIGHT)

2- STATUTORY AND USUAL MEETINGS

23 rd General Assembly:	Yaoundé, Complexe les Cascades, Mfoundi, 22 nd February, 2020
Council of the Order sessions:	53 rd and 54 th sessions on 23 January, 2020 and 16 November, 2020 respectively
12 th Technical Day:	Yaoundé, Complexe les Cascades, Mfoundi, 21 st February, 2020
	THE URBAN BUILDING: BUILD SAFETY

3- CELEBRATION OF THE 20th ANNIVERSARY OF THE ORDER

CIVIL ENGINEERING SEMINAR	(See general report and photo documentary)
INTERNATIONAL SYMPOSIUM	(See general report and photo documentary)
INTEGRATION AND GRADUATION CEREMONY	(See photo documentary)
ENGINEER'S GALA NIGHT	(See photo documentary)

4- USUAL SERVICES PROVIDED BY THE SECRETARIAT GENERAL

- Clerical services and monitoring of deliberations of the committees in charge of training, professional development, awards and honours and registration.
- Review of over four hundred registration files; admission of over 372 new Civil Engineers into the Roll of the Order, including 156 graduates of former FGI and ISS.
- Issue of over 3 000 attestations for registration into the Roll of the Order for the year 2020.

5- ACTIONS CARRIED OUT UNDER INITIAL TRAINING

- Organisation of a capacity-building seminar
- Participation to the Steering Committees of ENSTP and ENSPD
- Assistance to Institut Saint Jean for the possible launching of training in the field of civil engineering
- Discussions with graduates and officials of certain higher privateinstitutes if learning of the civil engineering field
- Reflections with MINESUP on the creation of a commission on the training of Engineers

6- GRADUATION OF CIVIL ENGINEERS

- 32 promotions to the grade of EMERITUS

- 32 promotions to the grade of SENIOR
- 39 promotions to the grade of MAJOR

AND FOR THE YEAR 2021

1- HIGHLIGHTS

- Publication of the Roll of the Order, early June 2021
- Publication and broad dissemination of the Newsletter of the Order
- Regional meetings coupled with the installation of new representatives of the Order
- Recruitment of a new member of the staff of the secretariat general of the Order
- Visit of the President of the Order to Burkina Faso

2- STATUTORY MEETINGS

55th ordinary session of the Council of the Order held on 15 January 2021 at NOCE headquarters. Top on the agenda were issues relating to the assessment of the celebration of the 20th anniversary of the Order, adoption of the 2021 action plan and special COVI-19 related modalities.

56th ordinary session of the Council of the Order held on 28 September 2021 at the NOCE headquarters.

3- ACTIVITIES AND REGIONAL REPRESENTATIONS

- Designation of new regional representatives of the Order by decision No 182/D/P/ONIGC/21 of 1st June 2021 and development of the procedures manual for representations.
- Regional meetings held in strict compliance with barrier measures on discussion with local authorities and Engineers, on the official installation of certain regional representatives and on the swearing-in of new Engineers registered into the Roll of the Order.
NORTH → GAROUA : 14 June, 2021 ; FAR-NORTH → MAROUA : 16 June, 2021 ; LITTORAL → DOUALA : 28 July, 2021 ;
EAST → BERTOUA : 21 September, 2021 ; SOUTH → EBOLOWA : 28 September, 2021.

4- ACTIVITIES OF THE SECRETARIAT GENERAL

- Routine and administrative duties
- Monitoring of deliberations of committees and commissions in charge of registration, training and professional development, disciplinary board)
- Monitoring and co-ordination of the activities of regional representations : progress reports, statement of subscription fees of Engineers practising in the various regions
- Validation of various documents on behalf of the procurement commissions
- Issue of over 2.000 attestations showing registration into the Roll of the Order for the year 2021
- Issue of the Engineer's stamp: of the 709 applications introduced, 450 are withdrawn and a backlog of 259 are outstanding

5- CONTRIBUTIONS OF THE ORDER IN CIVIL ENGINEERING-RELATED MATTERS

Numerous participations to meetings, encounters, workshops and committees aimed at setting forth the position of Civil Engineers on the issues under discussion.

- Approval of private civil engineering and geotechnical laboratories
- Classification of urban roads
- Review and validation of the new General and Administrative Terms and Conditions and the Special Conditions of Contracts of standard tender documents (MINMAP)
- Review of the architectural and technical studies for construction operations and projects executed by the Cameroon Housing Corporation, Aéroports du Cameroun, General Directorate of Customs of the Ministry of Finance, etc.
- Commission for developing training curricula to be implemented in Professional Government Technical High Schools for building and construction trades in Cameroon
- Technical Committees of the Cameroon Standards and Quality Agency (ANOR)
- Steering Committee for the Support Council to the Implementation of Partnership Contracts (CARPA)
- Steering Committee of the Project for the Development of Inclusive and Resilient Cities (PDVIR)

- Management Board of the National Advanced School of Public Works, the National Advanced School of Polytechnics, Douala and the National Advanced School of Polytechnics, Yaoundé
- World Housing Day "Speed up action for a carbon-free World" (MINHDU)
- Douala Town-planning Days (with an exhibition stand held by the Order)
- Commission for the issuance of building permits in the city of Douala
- Development of land use plans Akonolinga and Mbalmayo
- Development of Doume master plan
- African summit on sustainable buildings
- Participation to deliberations of the international jury of the FEICOM National Award
- ...

6- INITIAL AND CONTINUOUS TRAINING FOR CIVIL ENGINEERS

- Finalisation of the process to regularise training sessions provided by the Schools of Polytechnics of Douala and Maroua
- Investigation mission to Burkina Faso on partnerships aimed at granting certificates considered as diplomas for design Engineers
- Organisation in partnership with COTCO of a workshop to present the report of works to repair and manage erosions near the pipeline company at Ebomé (in the vicinity of Kribi)

7- COMMUNICATION – DOCUMENTATION

- Updating references available at the Documentation Centre of the Order
- Updating the web site of the Order and social network pages (creation of a new Facebook page as well as Twitter and LinkedIn accounts)
- Gain full mastery of the SOFA collaborative working tool that will propose a new formulae for organising remote seminars
- Evaluation of the communication strategy

8- HEADQUARTERS/STAFF

Several refurbishment works have been carried out at the headquarters of the Order with new sign displays and internal information plates
Recruitment of two new workers in charge of communication and administrative affairs

■ FINANCIAL MANAGEMENT IN 2021

Measures taken by the government and related to the current health situation did not allow for the holding of the Annual Meeting of Civil Engineers, given that the Order has a membership of 3,000.

The Council of the Order therefore decided that during that interval, the President of the Order be authorised to ease the smooth running of the General Secretariat and the regional representations based on the principle of provisional twelfths.

However, for actions deemed important in promoting and defending the interests of Civil Engineers, exceptional authorisations shall be given to the President of the Order.

Such authorisations relate mainly to the holding of regional meetings for the installation regional representatives, and the swearing-in of Engineers newly registered into the Roll of the Order; the investigation mission on the initial training of Engineers in Burkina Faso; refurbishment of the headquarters building and production of the Engineer's stamp.

IN MEMORIAM

- FORGWEI Alfred MBENG
- BARA LAINSO
- Célestin NGUEPNANG POKAM
- Gérémie FOUBA
- Richard AKOA AKOA
- Adrien ZEUFACK
- Valentin HOINTCHOU

- Daniel Thierry MADOLA
- KAMDOUM
- Alain Armand NGUEMINI
- Pierre NOUBISSI
- Léonard ANTSELE BITSANG
- Emmanuel NZALLI
- Pierre MENYANGA

- SHEY Richard NTARYIKE
- Jean PONDY
- Benjamin MBELECK Fils
- Patrick PONDJI EKOLE
- Leonard ATATINI

Since its terms of office was extended throughout the financial year 2022, the Council of the Order decided in general, to pursue its actions to rehabilitate the civil engineering sector, to enhance capacity-building for its members, to revitalise the profession and extend its professional network. More specifically, in the course of the year 2022, the Council of the Order is called upon to take action on the following areas:

- The close monitoring of the initial training of Civil Engineers;
- The deployment of continuous training modules for Civil Engineers;
- The active participation of Civil Engineers to the 2022 BATIMAT international Building Trade Fair;
- The gradual development of regional representations;
- and the effective launching of the ENGINEER'S BUILDING project.

This simply means, for the year 2022, and in compliance with the restructuring of the Council in various committees, the following actions and activities shall be carried out:

Public Affairs

Strengthening knowledge of the Order and upholding the law	Heightened communication efforts on the Order's missions and activities
	Availability of the Roll of the Order featuring only the names of Civil Engineers up to date with their contributions, as early as April 2022 for its provisional version
	Increased presence and involvement in strategic committees and other ad hoc commissions with greater evaluation and monitoring from the General Secretariat
	Participation to steering committees for the development of land use and urban development plans
	Extension of the revitalisation of regional representations with monitoring from Centre regional representation
	Monitoring of the effective implementation of various instruments on construction
Participation to professional meeting	Setting up of a policy discussion and proposal group for the State
	Logistic support (registration, visa, transportation . . .) in view of the participation of Civil Engineers to BATIMAT 2022 and organisation of the delegation
Other matters	Partial support for the participation of certain Civil Engineers to international meetings (FIDIC, . . .)
	Improvement of communication actions (social media, web, newsletter, press briefs, . . .)
	Publication of a special issue on the 20 th anniversary of the Order
	Reflections on reciprocity agreement with other foreign professional Orders or technical assistance in view of the creation of professional orders within the sub-region
	Consultations with other Cameroonian professional Orders
	Launching of a study on the ENGINEER'S BUILDING project or purchase (with payment due over a period of two years) of a MAETUR plot, near the Nsimalen highway

Professional Affairs

Practice of the profession <i>Pursuit of the defence of the interest of Civil Engineers and checking the unlawful practice of the profession</i>	Continuation of actions to make registration into the Roll of the Order compulsory to any Civil Engineers desirous to practise the civil engineering profession in Cameroon
	Securing attestations for the registration of Civil Engineers with a bar code and compliance monitoring device
	Relaunch of the process of issuance of authorisations to practice the profession on a private basis
	Intensification of law enforcement actions against unlawful practice of the profession
Engineers' observatory <i>Improvement of the socio-economic and professional status of Civil Engineers</i>	Putting online and updating a registry of companies, consulting firms and ministries using Civil Engineers
	Finalisation the survey on the employability of Engineers and the needs for Engineers on the local market (in partnership with MOSE-FIC)

Practice of the profession <i>Obligations related to membership to a professional Order</i>	Increase of the number of active members of the Order through actions aimed at recovering outstanding dues
	Improvement and diligence in producing and distributing the Engineer's stamp
	Improvement of the filing of Engineers' records at the headquarters
	Assistance to the integration of young and other Civil Engineers in the labour market through publication and follow-up of recruitment offers

Professional standardisation and certification

Quality of constructions and protection of the public	Reactivation of NOCE Commission on the Monitoring and Safety of Constructions and approaches to prevent the collapse of buildings
	Various actions with mayors for the implementation of instruments relating to the issuance of building permits, monitoring of the term of office of NOCE representatives in ad hoc commissions.
Certification of competences <i>at all technical levels of construction</i>	Continuation of advocacy with public authorities for the creation of a Cameroonian Construction Observatory
	Technical and financial support to various projects and initiatives for the certification and validation of professional experience
Contribution standardisation	Participation to various technical committees and mirrors developed by ANOR
	Mapping Engineers' needs for standards and forwarding them to ANOR for exploitation

Professional training and development

Initial training	Joint solving of the problem relating to the registration into the Roll of the Order of graduates from certain higher institutions of learning (ex-FGI & ENSPD, ex-ISS & ENSPM, SJP, ...)
	Pursuit of rehabilitation actions in training provided by private higher institutions of learning
	Active participation to the steering committees and development councils of training schools
Improvement of expertise	Monitoring contractual provisions on the transfer of technologies and competences to Cameroonian Civil Engineers
Capacity-building	Extension of the reference period for the continuous training of Engineers
	Development of continuous training programmes and modules with the support of private partners
	Exploitation of the virtual classroom platform in view of a remote teaching engineering and organisation of webinars
	Development and securing of the documentary centre of the Order

Deontology and professional distinction

Professional ethics and deontology	Holding of conferences on ethics for newly registered members of the Order
	Strengthening ethical and deontological wake
Professional inspection	Professional monitoring of Civil Engineers
	Multiplication of appeals to the Disciplinary Board and summon Civil Engineers involved or cited in the least litigation file
Awards and grade	Review certain application files for the graduation of Engineers

Special events

Regional meetings	Possible continuation of mini sessions in Bafoussam, Limbe, ...
Elective General Assembly	Election of members of the Council of the Order and the Auditor

