Arusha Technical College

Skills Make the Difference

ATC-PCB PRODUCTION AND CONSULTING BUREAU

BUREAU IN PERSPECTIVE

Brochure
Foreword

ATC-Production and Consulting Bureau

The Arusha Technical College-Production and Consulting Bureau (ATC-PCB) is essentially a not-for-profit making organisation, established to enhance financial sustainability of the Arusha Technical College. This publication highlights bureau objectives, activities, key personnel and some achievements, such as testing of various construction materials and supervision of works. As highlighted in the ATC-PCB Policy, the mission of the Bureau Manager’s Office is to strengthen and expand our partnership with government, industry, institutions, local community and individuals for effective contribution to the industrial and socio-economic development of the country. We would like to thank all our clients and business partners in general for their continued patronage of our services.

I thank you

Yusuph B. Mhando (PhD)
Ex-Bureau Manager

January 2019
About the Bureau

Arusha Technical College-Production and Consulting Bureau (ATC-PCB) with registration number 126 and TIN No. 101-195-651 is essentially a not-for-profit making organisation established as stipulated in the College Establishment Order in compliance with the National Policy on Technical Education of 1996.

ATC-PCB was established on June 2010 to independently handle multidisciplinary engineering activities which include: Structural Engineering; Civil and Irrigation Engineering; Mechanical and Automotive Engineering; Electrical Engineering; Water and Wastewater Engineering; Project Appraisal and Management; Engineering Logistics and Production; Information and Communication Technology (ICT), Electronics and, Electrical and Biomedical Engineering, for effective contribution to the industrial and socio-economic development of the country.

Bureau Strength

Human Resources

ATC-PCB has competent full time personnel with vast specialties and experiences in production and consultative activities. They possess qualifications in the categories of Certificates; Diplomas; Bachelor Degrees; Master Degrees and PhDs in various engineering disciplines.

Thus, a production and consultancy team can be drawn from the Arusha Technical College’s internal pool of highly qualified and experienced academic and technical staff. The staffs come from diverse engineering fields as reflected in ATC academic programs.

Moreover, many of our senior academic staffs are registered with Engineers Registration Board (ERB) as professional or consulting engineers, and some are registered or affiliated with professional institutions such as Institute of Engineers Tanzania (IET).

Physical Resources

ATC-PCB possess reliable full furnished offices, laboratories for materials testing, various workshops, and latest land surveying equipments including Total stations, GPS, Computers and Plotter machines (A0). Also ATC-PCB possesses various design software such as Master Series, Prokon, Lusac Bridge and Spreadsheets, CAD and BIM software such as Auto CAD, ArchiCAD just to mention few.
Bureau Vision, Mission and Core Values

**Vision**
ATC-PCB in line with college vision aims at becoming a centre of excellence in providing quality and affordable services, timely delivered to our esteemed customers and clients.

**Mission**
ATC-PCB in line with college mission aims to provide reputable and reliable multi-disciplinary production and consultative services national wide and beyond to enhance industrial and socio-economic development of the country.

**Core Values**
Accountability and integrity, excellence in performance, service to community, equal opportunity, mutual respect and unity of purpose, diversity, freedom and responsibility.

Socioeconomic Development
Bureau Administrative staff

Eng. Dr. E. V. Mgaya (PhD)  
(Acting Chairperson - Executive Committee)  
PhD (Electrical Power Engineering) (Czech Republic), MSc. (Electrical Power) (Czech Republic), BSc. (Electrical Engineering) (Prague Czech), RTT (NACTE), MIET.  

Eng. Dr. E.V. Mgaya is a Deputy Rector-Planning, Administration and Finance (PAF) of Arusha Technical College.

Eng. Mr. F.M. Magania (RGEng (T))  
(Acting - Bureau Manager and Secretary)  
BEng (Civil and Irrigation Engineering) (ATC), Diploma in Irrigation Engineering (Ministry of Agriculture Training Institute, Mbeya).  

Eng. Mr. F. M. Magania is Head of consultancy section and Assistant Head of Civil Engineering Department at Arusha Technical College.

Eng. Dr. Richard Masika (PhD)  
(Lead Consultant)  
PhD (Structural Engineering) (Hungary), MSc. Eng. (Hungary), FTC (Civil Engineering) (DTC), CEng. (T).  

Eng. Dr. R. Masika is the Consulting Engineer registered with ERB (T)

Dr. F. Malembeka (PhD)  
(Member-Executive Committee)  
PhD (Engineering) (Kyoto University), MSc. (Water Resource Engineering) (UDSM), BSc. (Civil and Water Resources Engineering) (UDSM).  

Dr. F. Malembeka is Head of Civil Engineering Department at Arusha Technical College.
Bureau Administrative staff

Dr. P. P. Mashingo (PhD)  
(Member-Executive Committee)  

Dr. P. P. Mashingo is Head of Automotive Engineering Department at Arusha Technical College.

Dr. J. S. Mwanza (PhD)  
(Head of Production Section)  
PhD (Production Engineering) (UDSM), MSc. (Mechanical Engineering) (State Technical University-Kursk-Russia), FTC (Mechanical Engineering) (TCA).

Dr. J. S. Mwanza is Links Coordinator and Industrial Liaison Officer at Arusha Technical College.

Mr. N.J. Mhusa  
(Member-Executive Committee)  
MSc. (Mechatronic Engineering) (JKUAT), BSc. (Production Engineering) (Hons) (UDSM), PEng (T).

Mr. N. J. Mhusa is Head of Mechanical Engineering Department at Arusha Technical College.

Mr. N. Kashimbiri  
(Member-Executive Committee)  
MSc. (Water Resources Eng.) (UDSM), BSc. (Hons) (Civil Eng.) (UDSM), Diploma (Environmental and Ecological Modelling (HUST-CHINA), Diploma (Groundwater Explorations) (NGRI-INDIA), Diploma in Education (Science and Mathematics) (Mkwawa), Cert. (Advanced Professional Training) (FRG), GE (T), MIET.

Mr. N. Kashimbiri is Head of Transportation Engineering Department at Arusha Technical College.
Bureau Administrative Staff

Mr. N. Msafiri
(Member-Executive Committee)
MSc. (Computer Science) (Clemson University), BEng (Electronics and Telecommunication Engineering) (DIT), FTC (Electronics and Telecommunication Engineering) (DIT).

*Mr. N. Msafiri is Head of Electrical Department at Arusha Technical College.*

Mr. A. Omary
(Member-Executive Committee)
MSc. (Chemistry) (UDSM), BSc. (Education) (Hons) (UDSM).

*Mr. A. Omary is Head of General Studies (GS) Department at Arusha Technical College.*

Mr. B. Kamwela
(Member-Executive Committee)
BSc. (Computer Science) (Hons) (UDSM)

*Mr. B. Kamwela is Head of ICT Department at Arusha Technical College.*

Members on Invitation-Executive Committee
1. Internal Auditor of Arusha Technical College
2. Legal Officer of Arusha Technical College
3. Chief Accountant of Arusha Technical College
# Bureau Technical Staff

<table>
<thead>
<tr>
<th>SN</th>
<th>Profession Category</th>
<th>Registration Status</th>
<th>Number of Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Quantity Surveyors</td>
<td>Professional</td>
<td>03</td>
</tr>
<tr>
<td>2</td>
<td>Architects</td>
<td>Professional</td>
<td>03</td>
</tr>
<tr>
<td>3</td>
<td>Civil Engineers</td>
<td>Professional</td>
<td>03</td>
</tr>
<tr>
<td>4</td>
<td>Structural Engineers</td>
<td>Professional</td>
<td>02</td>
</tr>
<tr>
<td>5</td>
<td>Services Engineers</td>
<td>Professional</td>
<td>02</td>
</tr>
<tr>
<td>6</td>
<td>Water Resources Engineers</td>
<td>Professional</td>
<td>02</td>
</tr>
<tr>
<td>7</td>
<td>Geotechnical Engineers</td>
<td>Professional</td>
<td>01</td>
</tr>
<tr>
<td>8</td>
<td>Environmental Engineers</td>
<td>Professional</td>
<td>01</td>
</tr>
<tr>
<td>9</td>
<td>Electrical Engineers</td>
<td>Professional</td>
<td>03</td>
</tr>
<tr>
<td>10</td>
<td>Mechanical Engineers</td>
<td>Professional</td>
<td>01</td>
</tr>
<tr>
<td>11</td>
<td>Sociologists</td>
<td>-</td>
<td>01</td>
</tr>
<tr>
<td>12</td>
<td>ICT Experts</td>
<td>-</td>
<td>03</td>
</tr>
<tr>
<td>13</td>
<td>Technician Engineers</td>
<td>Technician</td>
<td>02</td>
</tr>
</tbody>
</table>
Bureau Objectives

To link training, production and consultative services offered by ATC-PCB with industries, ministries, individuals, private and public institutions.

To carry out production and consultative services in tangible science and technology development projects.

To offer regular professional training and development to engineering community.

To offer hiring facilities for social functions and business promotions.

To provide a platform to ATC-PCB staff for career development to enhance professional and best practices.

To enhance the development of local construction industry.
In Partnership With Our Clients

➢ Despite of the fact that our customers are located national wide and beyond, we are able to maintain flawless communication and keep in touch during the negotiation, development and support stages.

➢ We focus on individual approach to each customer within the framework of every single project, taking all possible endeavors to ensure successful solution to project development.

➢ To start working with us is easy - just send us an e-mail describing your project requirements.
What We Offer

Specialized Activities
(1) Failure investigation
(2) Third party inspection services
(3) Damage assessment
(4) Selection of materials
(5) Quality improvement
(6) Solution for weld Repair.

Consulting Services
1. Conducting professional training programs
2. Providing professional consultations in various engineering disciplines
3. Feasibility studies and Project write-ups
4. Quantity surveying services
5. ICT services
6. Recruitment search services
7. Architectural consultations
8. Construction projects appraisal, management and supervision
9. Land surveying and Geomatics services
10. Testing of water, soil, bitumen, concrete, concrete blocks, aggregates and steel bars with professional advisory services.
11. Engineering Research and Development (Eng-R&D).

Production Services
a. Design and manufacture of spare parts of machines
b. Engraving activities
c. Maintenance activities of built facilities, machines and vehicles
d. Panel beating, spraying, metal and wrought iron works
e. Production and fabrication of various machines
f. Furniture and other woodwork products
g. Concrete blocks and other concrete products
h. Fabrication and maintenance of electronic devices and equipment.

Hiring Services
a) Hiring of hall for various activities
b) Hiring of classrooms during holidays for various activities
c) Hiring of open space for various business promotions.
**ATC-PCB Organisation Structure**

Figure 1 shows the organisation structure of ATC-PCB linked to different administrative organs of Arusha Technical College (ATC).

![ATC-PCB Organisation Structure Diagram](image)

**Figure 1:** Organisation Structure of ATC-PCB

**Consultancy Organisation Structure**

Figure 2 illustrates the organisation structure of consultancy section linked to different engineering disciplines of Arusha Technical College (ATC).

![Consultancy Organisation Structure Diagram](image)

**Figure 2:** Organisation Structure of Consultancy Section
## Projects Undertaken by ATC-PCB

### Table 1: Selected Projects Undertaken by ATC-PCB

<table>
<thead>
<tr>
<th>SN</th>
<th>PROJECT DESCRIPTION</th>
<th>CLIENT</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fabrication of Study Benches</td>
<td>Institute of Accountancy Arusha</td>
<td>Completed</td>
</tr>
<tr>
<td>2</td>
<td>Production of Financial and Technical Proposal (Water pipeline - 25km)</td>
<td>Tanzania Military Academy</td>
<td>Completed</td>
</tr>
<tr>
<td>3</td>
<td>Production of Financial and Technical Proposal (Drainage System)</td>
<td>VETA College Arusha</td>
<td>Completed</td>
</tr>
<tr>
<td>4</td>
<td>Structural andServices Engineer (Irrigation Building)</td>
<td>Arusha Technical College</td>
<td>Completed</td>
</tr>
<tr>
<td>5</td>
<td>Project Manager-ATC Administration Block (Vertical Extension)</td>
<td>Arusha Technical College</td>
<td>Completed</td>
</tr>
<tr>
<td>6</td>
<td>Structural Engineer - CCM Building</td>
<td>CCM-Arusha</td>
<td>Completed</td>
</tr>
<tr>
<td>7</td>
<td>Structural Engineer - Girls Hostel</td>
<td>Arusha Technical College</td>
<td>Completed</td>
</tr>
<tr>
<td>8</td>
<td>Geo - Technical Soil Investigations (Roads, dams, Buildings, water supply and Materials Testing)</td>
<td>Various clients</td>
<td>Completed</td>
</tr>
<tr>
<td>9</td>
<td>Consultancy Services for Development of Mini Hydropower Stations</td>
<td>REA</td>
<td>Completed</td>
</tr>
<tr>
<td>10</td>
<td>Provision of Consultancy Services for Undertaking the Design of Water Supply Scheme -Gravity Main Water Supply from Mount Meru to Longido Town (more than 62km)</td>
<td>Longido District Council Town (District Headquarters)</td>
<td>Completed</td>
</tr>
<tr>
<td>11</td>
<td>Materials testing for Backbone Transmission Investment Project 400KV Singida -Shinyanga Transmission Line Lot 3-Contract No PA/001/10/HQ/W/038</td>
<td>KEC International Ltd</td>
<td>Completed</td>
</tr>
<tr>
<td>12</td>
<td>Provision of Consultancy Services for Undertaking the Design of Water Supply Scheme-Gravity Main Water Supply from West Kilimanjaro to Longido Town (more than 63km)</td>
<td>Longido District Council Town (District Headquarters)</td>
<td>Completed</td>
</tr>
<tr>
<td>13</td>
<td>Consultancy Services for Provision of Consulting Services for Physical verification of PV Installations for the Sustainable Solar Market Packages (SSMP2) Project Bukombe and Biharamulo (Package A)</td>
<td>REA</td>
<td>In Progress</td>
</tr>
<tr>
<td>15</td>
<td>Provision of Consultancy Services for Detailed Conditional Survey, Design, Preparation of Bidding Documents (existing and new facilities) and Supervision to 20 Folk Development Colleges (20FDCs) located in Tanga, Manyara, Arusha, Singida, Dodoma, Mwanza, Kagera and Mara Regions respectively. Project duration: 1 year (Feb 2018 - Feb. 2019. Staff month input: 57. 25.</td>
<td>Ministry of Education, Science and Technology</td>
<td>In Progress</td>
</tr>
</tbody>
</table>
We practice for a better nation
We are connected with
Bureau contact information

ADDRESS
ATC-PRODUCTION AND CONSULTING BUREAU

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