



ANDIATECH
LOCAL IS BEST.



ANDIATECH

Unlike developed nations, which are filled with an incredible group of engineering firms ready to respond to existing and future challenges in the local and foreign markets, Angola is just now starting to walk towards building and strengthening its engineering portfolio locally and globally. Despite having underneath its feet a tremendous amount of natural resources (minerals, oil and gas, etc.), little has been done in the investment of local workforce capable of providing engineering solutions to past and current problems dwelling among several sectors in the Angolan market. However, the economic environment is changing in Angola now. The Angolan market is changing, and the country is now taking steps towards strengthening its human capital to help meet the unstoppable demand of services and goods. The country is also diligently working towards combining an arsenal of economic activities (i.e., agribusiness, mining, oil and gas, etc.) to help boost its economic potential and improve the quality of life of its population. Currently, more than 80% of the country's GDP comes from the oil and gas business, which in turn ends up being insignificant since the country relies heavily on the importation of foreign services and good to keep the train [country] moving. Therefore, if the goal is to help alleviate some of these extra expending and reinforce the local economic activities, several strategies have to be put in place. One of these strategies would be to start increasing the number of local companies that are capable of providing sound responses to different problems in the local market.

The question that many ask themselves is the following: how do we help the country boost its economic activities while reducing its spending on foreign workforce, services, and goods? Undoubtedly, there are many answers to that question, but one that sounds reasonable, feasible, and fair to the Angolan people is the creation of local companies that are designed to give answers to a vast range of governmental and non-governmental projects. It is now obvious that foreign investors are key to the economic expansion and diversification of any country that wishes to improve the standard of living of its population, but having also qualified local companies is equally and tremendously important because these same companies are the ones that enhance the presence of the country in the global market through the transfer of its services to foreign nations as well, thus bringing additional income to the local economy. It is time for Angola to have a "SAY" in the local and international engineering market. Therefore, ANDIATECH, an Angolan service provider of process engineering solutions, is being developed to help set the tone in the local market and eventually foreign markets.

ANDIATECH is the final product of hard work and persistency. The firm is being developed by a group of young engineers with background in chemical and process engineering and with growing experience in the oil and gas sector who believe that it is the time to have local service provider firms of process and non-process engineering solutions in Angola. The founders are aware that collaboration is key to the success of their activities. Therefore, they are looking forward to building connections with other local engineering firms in Angola and abroad. Together they will bring engineering services to the Angolan market. ANDIATECH aims at helping reduce the costs involved in the elaboration of several existing and future projects by local and foreign companies in Angola by providing local expertise in diverse areas of engineering, in particular those of process engineering.

Operations

When it comes to operations, some of the projects, in particular those in process engineering, will be carried out by the ANDIATECH office in Luanda, Angola. Large projects will be performed by ANDIATECH and its collaborators, and a continuous line of communication will be maintained between the offices and client representants. Projects, in particular those involving detailed engineering in piping design, civil and structural design, mechanical design, electrical system design, and instrumentation and control will be mostly performed by our collaborators in Angola and abroad with the aid of ANDIATECH. The goal is to create a collaborative environment between the offices during each phase of the project. Projects will be first introduced to ANDIATECH, and afterwards a thorough evaluation of the project will be performed by our office, and the workload will next be given to each office accordingly. Feasibility studies will be carefully performed for each project. The construction and shipping of the process equipment and machineries will be the responsibility of ANDIATECH. The goal is to have all the equipment and machineries fabricated and bought from our partners. ANDIATECH will be responsible for the transportation of these equipment and machineries to clients' site, and a group of engineers from our office would be involved during the installation of these equipment. Transparency is key in our business; therefore, when it comes to finances, the profitability distribution is expected to be done according to the figures below:

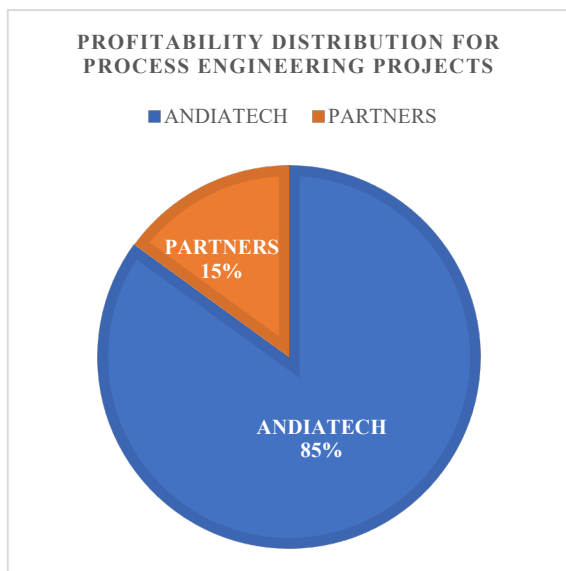


Figure 1. Profitability distribution between the companies for process engineering related projects.

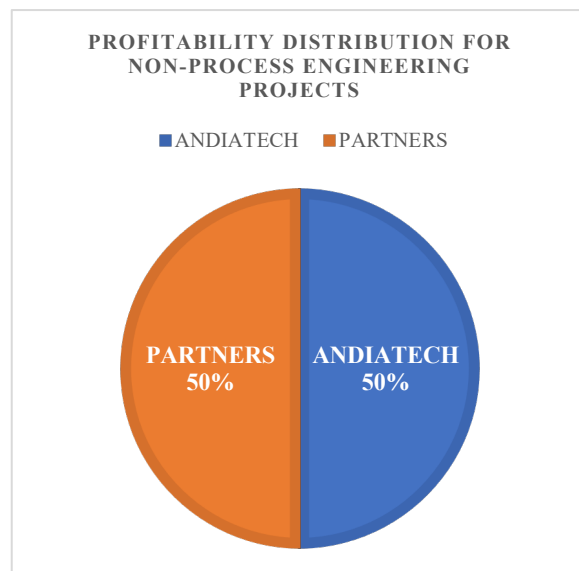


Figure 2. Profitability distribution between the companies for non-process engineering projects.

About Us:

- ANDIATECH is an Angolan service provider of process engineering solutions. However, the company also partners with other local engineering firms to help provide other engineering solutions, including detailed engineering in piping design, civil and structural design, mechanical design, electrical system design, and instrumentation and control. As a company, ANDIATECH strives to deliver the best possible solution for engineering projects in the chemical and petrochemical sectors as well as in the upstream, middle stream, and downstream of the oil and gas sectors.

Goal:

- To reduce reliance on foreign services through the deliverability of safe, unique, and feasible process engineering solutions to the chemical, petrochemical, and Oil&Gas sectors while collaborating with other local and foreign engineering firms to deliver other non-process engineering solutions. Thus, we vow to always bring the greatest and brightest minds onboard during the resolution of any engineering problem.

Vision:

- To provide value to developing countries and help boost their economic activities through the use of local workforce. At ANDIATECH, we look forward to becoming the best provider of engineering solutions to the Angolan market while striving to reach the company's long-term vision - which is to expand our services to other countries across Africa.

Mission:

- To always adhere to the best engineering practices while keeping and upholding the highest standard of services.

Values:

Our core values define who we are as a company, and we assure that they are our first priorities before anything else. Safety, Communication, Performance, and People are the backbones of ANDIATECH.

- In everything that we do, safety of our customers as well as ours are top priorities – there is no progress without safety.
- Communication is our open door to success. We communicate to keep every single task under control in order to deliver sound projects at or before the due time.
- Performance is our secret to keep you from moving away from our services. We listen. We think. We brainstorm. We elaborate. We communicate. We improve. We troubleshoot. We deliver the best solution.
- People are the flowing stream of our business. Therefore, as a company, we make sure to provide a dynamic and demanding environment to foster our employees' individual and professional skills.

Services:

Our services are divided into two major categories. The first category (Cat. I) contains services that can be readily delivered upon request by our local office in Luanda, Angola. This category consists of detailed services in process engineering, and it includes the following services:

- Equipment selection and sizing (i.e., heat exchanger (HE), pumps, storage tanks, agitators, separators, reactors, etc.)
- Development of BFD, PFD, P&ID, and PDS
- Material and Energy Balance
- Hydraulic calculations (i.e., line sizing for one-phase and two-phase flow, pump hydraulics)
- PSV/RD Sizing
- Flare Sizing
- Utility Sizing and Preparation of Utility P&ID
- Process Optimization
- HAZOP Study
- Detailed Economic/Feasibility Study

The second category (Cat. II) will be carried out by the ANDIATECH office in Luanda, Angola, and its local and foreign partners. Cat. II services include the following services:

- Detailed Engineering of Piping Design
- Detailed Engineering of Civil & Structural Design
- Detailed Engineering of Mechanical Design of Process Equipment
- Detailed Engineering of Electrical System Design
- Detailed Engineering of Instrumentation and Control
- Detailed Engineering of HVAC
- Detailed Economic/Feasibility Study

History:

ANDIATECH is an Angolan service provider company of process and non-process engineering solutions. After noticing the need of local service provider companies in the Angolan market capable of providing different engineering solutions to governmental and non-governmental projects, a group of young engineers decided to found ANDIATECH. The company's main scope of work includes activities in process engineering (i.e., selection and sizing of different process equipment and machineries, hydraulic, mass and energy balance, and detailed feasibility study), but they are also creating partnerships with other local engineering service providers to help deliver different engineering projects in Angola. The company is currently being developed, and the goal is to have the company in full operations by the fourth quarter of this year, 2020, or by the first quarter of next year, 2021.

“At ANDIATECH, we believe that local is best – local workforce, local investments, local job opportunities, and local economic growth. Therefore, ANDIATECH is here to serve the Angolan communities through its services. So, ANDIATECH is here to stay, and we will make certain that local projects are carried out locally – We have the solutions to your problems.”

Through their network, the founders, Mr. Gando and Mr. Lashkerwala respectively, have brought together a group of experienced professionals, mostly from Angola, to help tackle some of the most challenging engineering problems of today's chemical and petrochemical facilities as well as those present in the Oil&Gas sector. Together, they will diligently work to improve the engineering environment of Angola.

About the founders:



Mr. Kelson Buila Gando is an Angolan citizen. He is a chemical and biomolecular engineer from the Georgia Institute of Technology (Georgia Tech) and possesses post graduate diplomas (P.G. Diplomas) in process engineering and process piping design and construction as per ASME B31.3. Mr. Gando also completed a Pulp and Paper Certificate Program during his time at Georgia Tech, and he hopes to use that certification to help bring the Pulp and Paper Industry back to Angola. His most recent experience is in the downstream sector of the oil and gas industry.

Why ANDIATECH?

“With ANDIATECH, I hope to revolutionize the current engineering portfolio of Angola because there is no doubt in my mind that we do have local talents capable of delivering sound and feasible engineering solutions to governmental and non-governmental projects in Angola. If we, as Angolans, do not take the initiative to change the current engineering environment of Angola, who will? So, the time is now – time to invest in local talents, time to create local job opportunities, time to boost local economic growth, time to reduce astronomic spending in foreign engineering services and goods, and the time to bring the name of Angola to the top. Thus, I hope that ANDIATECH along with other local engineering firms help set the tone and help maintain the gates open for future organizations.”

Mr. Gando strongly believes that with hard work and commitment anything that was once a dream could become a reality; ANDIATECH is just a proof of it. He firmly believes that communication is the key ingredient to the resolution of 99% of the problems in our lives. Therefore, he applies that same principle to ANDIATECH by creating and maintaining a solid and horizontal line of communication amongst all employees in the firm. When he is not doing any engineering work, he is either running, listening to music, or watching business channels – Bloomberg is his favorite channel. He believes that he is the coolest man in the world.



Mr. Murtaza Lashkerwala is a young and vibrant professional engineer with an effervescent personality, and he tries to add the same qualities to the environment where he finds himself in. Mr. Lashkerwala is a GATE-2019 qualified chemical engineer from RGPV University of Central India. He possesses a professional training in process engineering, and he is currently working in the Oil&Gas sector as a process engineer.

Mr. Lashkerwala primarily focuses on building relations over anything and everything and goes out of his own ways to keep these relations smooth and always healthy. He prefers to understand rather than to be understood. Mr. Lashkerwala brings the best of his work to table in the least amount of time, and he thrives to be the hardest worker in the room. He likes to communicate efficiently. As an individual, he is a loving person who loves to make people laugh while keeping them engaged in their individual, or group activities.

Mr. Lashkerwala believes in the power of giving back to society. He strongly believes that whatever we are today is simply the final product of our environment. Thus, it is our basic duty to give back countless times in any possible way - money, knowledge, etc – to society. He believes ANDIATECH will be able to provide employment to locals in Angola and around the world once it gets going.

“Things never go wrong when they are done for the betterment of people’s lives and society, and ANDIATECH is starting on this very thought. This will not go wrong. I AM HERE TO STAY.”

To our Partners:

We are appreciative of your contribution to the growth of our firm. By devoting your time to our firm, you are equally helping to set the tone of our amazing work in the Angolan market. Reaching other African markets is also part of our vision as a company, and we look forward to making that a reality while continuing this inseparable partnership with you. Together, we strive for the betterment of life on this planet.

Yours Truly,

ANDIATECH TEAM



