



RAIL MANUFACTURING CENTRE FOR ENTREPRENEURSHIP RAPID INCUBATOR (RMCERI)

TECHNOLOGY OFFICER (REF: 3/2018)

JOB PROFILE

JOB TITLE

Technology Officer

REPORTING TO

Centre Manager (CM)

BACKGROUND

The [Tshwane University of Technology](#) a higher education institute in South Africa and the [Small Enterprise Development Agency \(SEDA\)](#) have collaborated to establish an incubator focused on railcar manufacturing enterprise support. [Gibela Rail Transport Consortium](#) (Gibela) is a newly established railcar manufacturing company in the bid to locally manufacture a new suit of commuter railcars. In 2016 Gibela entered into a MoU with Tshwane University of Technology to cooperate in research and development through a research chair to support Gibela's project of replacement of the rail agency PRASA's fleet with a modern service. The manufacturing technology innovation chasm of taking innovations to market was identified as a niche that necessitated an incubator. The research chair is in Manufacturing and Skills Development. The vision of the Gibela Research Chair in Manufacturing and Skills Development is to pioneer innovative research in manufacturing technology development and manufacturing value chain skills development geared for the revitalisation of the South African commuter railcar manufacturing sector.

Rail Manufacturing Centre of Entrepreneurship Rapid Incubator is SEDA funded and is aligned to the mandate of supporting the activities of modernizing and renewing an ageing railcar fleet to ensure safe, affordable, reliable and affordable commuter transportation thus directly and indirectly contributing to the economic growth in the country. It will be the driver in developing new technology based enterprises and cooperatives.

The incubator is a vehicle to translate technological innovations into new technology based businesses. Successful incubated businesses are earmarked for supplying Gibela and the manufacturing sector in general with proudly South African products and services. An ecosystem for suppliers to the Gibela manufacturing facilities will be established The incubated businesses will have the opportunity to be considered for thus future ecosystem once they successfully graduate from the incubator.



MAIN PURPOSE OF THE JOB

- To assist incubator staff and incubatees with practical and technology matters related to the product or service offering they are preparing for.
- To provide specialized Technology support to staff and to centres and institutes where the TO will design and manage laboratories and facilities.
- Assist incubator staff with research and innovation opportunities.
- Responsible for budget and financial planning of laboratories fees and levies.
- Develop incubator project work and manage projects. Involved in advertising the Technology capability of RMCERI at exhibitions, schools and during open days.
- Planning capital equipment replacement and submit to the incubator director.
- Be at the cutting edge of industry changes and needs in terms of process improvement technology, business processes technology and software developments aligned to the operation of the incubator.

LOCATION

- The position is based at the Ditsela Place in Jan Shoba Street, Hatfield but may require travel primarily nationally and regionally.
- Overtime/weekend hours and working in rail plants circumstances will be required from time to time.
- This is a full time position.



RESPONSIBILITIES AND DUTIES

- To assist incubatees with practical Technology issues.
- To provide specialized Technology support to incubator staff and to centers and institutes where they will design and manage laboratories and facilities.
- Assist incubator staff with research and innovation opportunities.
- Responsible for budget and financial planning of incubator technology costs.
- Develop incubatees Technology project work and manage projects.
- Involved in advertising of the incubator Technology services at professional exhibitions and conferences
- Plan capital equipment replacement and submit to Director
- Be at the cutting edge of industry changes and needs in terms of process improvement, business processes and simulation software.

REQUIREMENTS

- 3 year Tertiary Qualification in Mechanical/Mechatronics/Industrial/Manufacturing Engineering
- Proven track record of developing new technologies
- Strong in client connection and client services on Technology issues
- Strong responsibility, self-motivated, able to work under high pressure
- Excellent interpersonal, communication and presentation skills
- Experience in technology enterprise development
- Proven experience in an innovation and technology-driven industry or organization
- Experience in assessing viability and sustainability of technology driven small enterprises
- In depth understanding of SMME and incubation industry.
- Project Management experience
- Advanced Computer literacy - MS Office and MS Projects
- Valid South African Drivers Licence
- Experience starting, owning, operating and/or managing a small business



TO APPLY

- Ensure you do meet the minimum job requirements and experience as mentioned above, you may submit a detailed updated CV, certified copies of certificates and a *cover letter* with the position reference to rmceri-app@tut.ac.za ; MokolopoTQ@tut.ac.za
- Please take note that the applicants who do not adhere to the above requirements will not be considered for the respective position.
- For any enquiries on the position please contact mpofuk@tut.ac.za.

The closing date for all application is **Friday, 15 November 2019.**

RMCI will only respond to shortlisted candidates. Candidates, who have not been contacted within two weeks of the closing date, should consider their applications unsuccessful.

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