



**sanedi**

South African National Energy  
Development Institute

ENERGY INNOVATION FOR LIFE

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## Job Advert

**Position: Manager: Intellectual Property and Commercialisation**

**Programme:** Programme 4

**Division:** Energy Secretariat

**Location:** SANDTON

**Period:** Fixed Term Contract - 5 years

### 1. Background of SANEDI and the Energy Secretariat Programme

The South African National Energy Development Institute (SANEDI) was established in 2011 under the National Energy Act, 2008 (Act No. 34 of 2008) (NEA). The Act provides for SANEDI to direct, promote energy research, and technology innovation as well as undertake measures to promote energy Efficiency throughout the economy.

The Energy Secretariat is responsible for supporting the successful implementation of the four energy Research Development and Innovation (RDI) flagship programmes, namely the:

- Coal CO2-X RDI flagship programme.
- Energy storage RDI flagship programme.
- Hydrogen South Africa (HySA) programme; and
- Renewable Energy Hub and Spokes Programme.

SANEDI, through the Energy Secretariat acts as the Programme Manager for the RDI Flagship Programmes on behalf of the Department of Science and Innovation (DSI).

### 2. About the position

- The mandate of the position is to assist the Head: Energy Secretariat to manage the commercialization of Intellectual Properties emanating from the implementation of the various alternative energy research, development, and innovation (DSI) initiatives on behalf of the Department of Science and Innovation (DSI), and the South African national Energy Development Institute (SANEDI). The tasks of the incumbent will include the following:
- Assist the head of the energy secretariat in developing and executing a commercialization strategy for the Intellectual Properties (IP) emanating from the

Department of Science and Innovation's Research, Development and Innovation programmes as well as IP emanating for the general South African National Energy Development Institute's Research programmes.

- Classify IP in terms of technology readiness levels and determine the best route towards commercialization (e.g., licensing, /spin off company etc).
- Project manage all Research, Development and Innovation technology commercialization projects and report regularly on progress achieved as and when required.
- Conduct commercial Pre-feasibility studies to establish the feasibility of technology/product or process for commercialization
- Co-ordinate the process of bankable feasibility studies for large scale deployment of various technologies, both in-bound and locally developed IP.
- Conduct market research and provide the necessary market information for locally developed IP, both publicly funded and private sector funded IP.
- Conduct technology assessments for IP developed by both the private and public sector, which are presented to SANEDI and/or the DSI by inventors for assistance in taking the technologies forward.
- Identify and advise on funding opportunities available for technology/product and process development, and innovation at national and international levels.
- Assist with the development of business plans/funding proposal and/or start up support for SMMEs and other companies that will be taking the various IP to the markets.
- Undertake market monitoring for various energy-related technologies and keeping a database of the latest technology costs.

**In addition, the successful candidate must have the following qualities:**

- Pay attention to detail as the job requires being careful about detail and thorough in completing work tasks.
- Be an analytical, able to analyse information and using logic to address work-related issues and problems.
- Have integrity as the job requires being honest and ethical.
- Be reliable, responsible, and dependable in fulfilling obligations.
- Take initiative and be willing to take on responsibilities and challenges.
- Adaptability and flexibility as the job requires being open to change.

### 3. Qualifications and experience

#### Qualifications:

- Minimum Four years Bachelor's degree in science or engineering. A PhD degree in Science or Engineering will be an added advantage.

#### Experience:

- Minimum of 5-years in research or engineering-related working experience in the energy sector and/or IP commercialization environment.
- A 7-years or more experience in the latter sector will be an added advantage.

### 4. Job Knowledge

- Knowledge of the Department of Science and Innovation's Research and Development Strategy.
- Knowledge of research, development and innovation activities in the energy sector.
- Knowledge of Government Science, Technology and innovation (STI) systems, in particular the National System of Innovation.
- Knowledge of the 2019 White Paper on Science, technology and Innovation (STI)
- Good understanding of the corporate governance systems, policy and strategy analysis development and implementation.
- Knowledge of the relevant policies and legislations, such as the Intellectual Property Rights from Publicly Financed Research and Development Act, National Development Plan and the Public Finance Management Act.
- In-depth understanding of the South African energy system; and global energy system.
- A well-developed understanding and knowledge about hydrogen and fuel cell technologies, clean coal technologies as well as renewable energy technologies.

### 5. Skills

- Project Management.
- Contract management
- Financial Management.

- Computer Literacy (MS word, Excel, PowerPoint, Process flow, and databases)
- Presentation skills
- Negotiation skills
- Report writing.
- Excellent Communication skills.
- Good Interpersonal and Listening skills; and
- Problem solving skills.

## **6. Responsibilities of the role**

- 6.1 Development and executing a commercialization strategy for the Intellectual Properties (IP) emanating from the Department of Science and Innovation's Research and other SANEDI Programmes.
- 6.2 Project manage all Research, Development and Innovation technology commercialization projects and report regularly on progress achieved as and when required.
- 6.3 Conduct commercial Pre-feasibility studies to establish the feasibility of technology/product or process for commercialization
- 6.4 Co-ordinate the process of bankable feasibility studies for large scale deployment of various technologies, both in-bound and locally developed IP.
- 6.5 Conduct technology assessments for IP developed by both the private and public sector, which are presented to SANEDI and/or the DSI by inventors for assistance in taking the technologies forward.
- 6.6 Identify and advise on funding opportunities available for technology/product and process development, and innovation at national and international levels.
- 6.7 Assist with the development of business plans/funding proposal and/or start up support for SMMEs and other companies that will be taking the various IP to the markets.

## **7. Additional Information**

The Manager will be based at the SANEDI office in Sandton, Johannesburg,

Please email a detailed CV to: [ManagerIP@senedi.org.za](mailto:ManagerIP@senedi.org.za)

The closing date for this position is: **13 April 2024**

Should you not hear from SANEDI within 30 days after closing of this advert, please consider your application unsuccessful.