Electrical Engineers

Ranked

39

by count of job opportunities

Percentage

0,64%

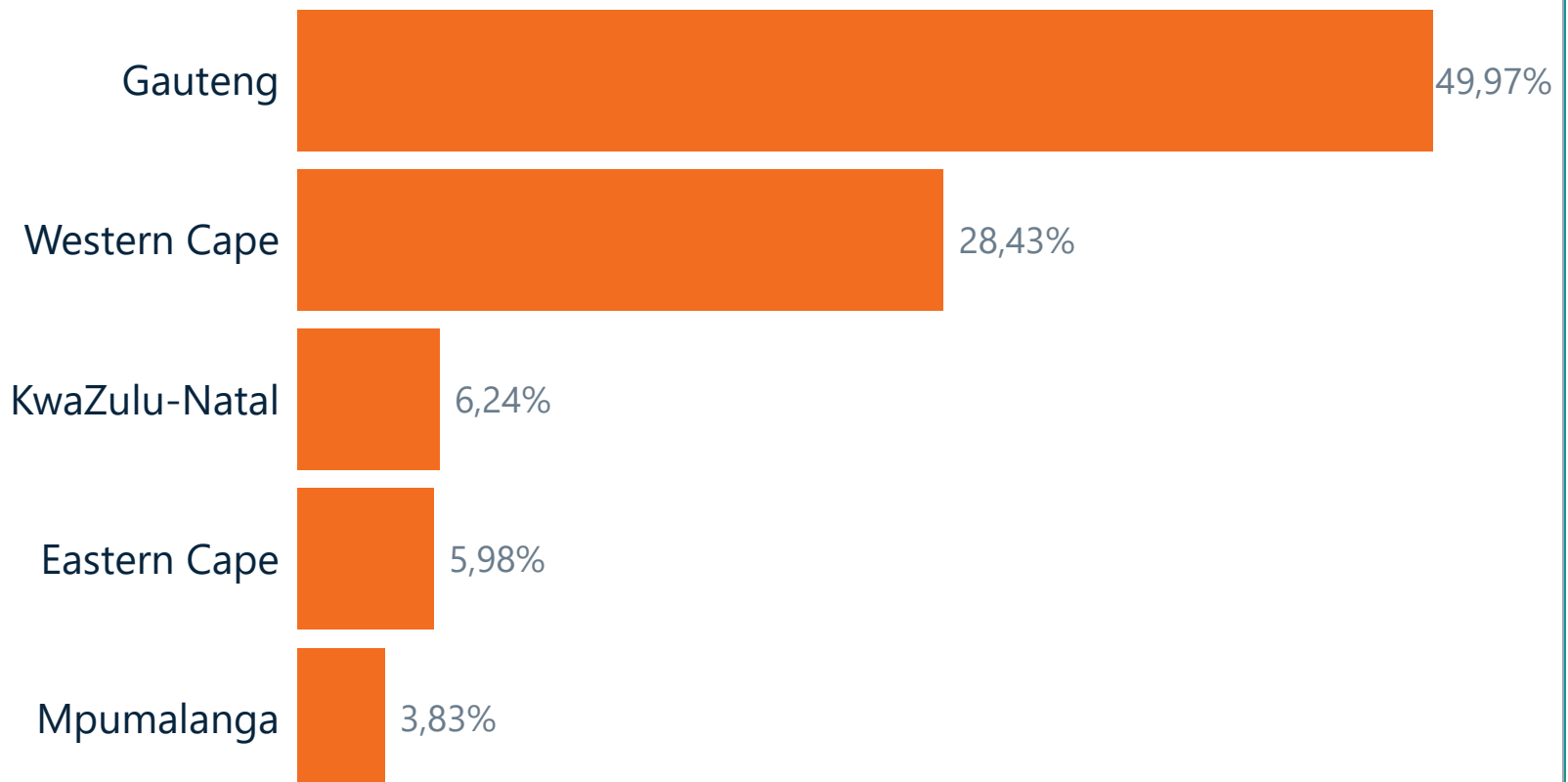of all job opportunities

Hard-to-Fill

26,60%

% job opportunities that are "hard-to-fill"

Top 5 Provinces

by percentage of job opportunities

Province	Percentage
Gauteng	49,97%
Western Cape	28,43%
KwaZulu-Natal	6,24%
Eastern Cape	5,98%
Mpumalanga	3,83%

KULULEKO
CONSULTING

Electrical Engineers

Top 5 Industries

by percentage of job opportunities

Professional, scientific and technical activities	33,38%
Administrative and support activities	11,71%
Information and communication	6,54%
Manufacturing	5,85%
Financial and insurance activities	5,08%

Top 5 Company Types

by percentage of job opportunities

3,41%

0,36%

28,99%

- Private company
- Public company
- Sole proprietorship
- Government agency
- Partnership
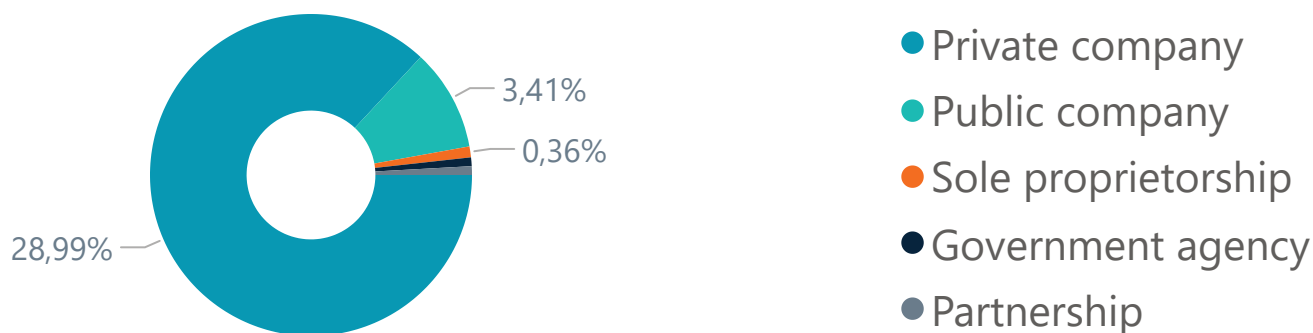
Top 5 Company Sizes

by percentage of job opportunities

1,46%

14,49%

30,85%

- 1 to 100
- 101 to 500
- 1,001 to 5,000
- 5,001 to 10,000
- 10,001 +
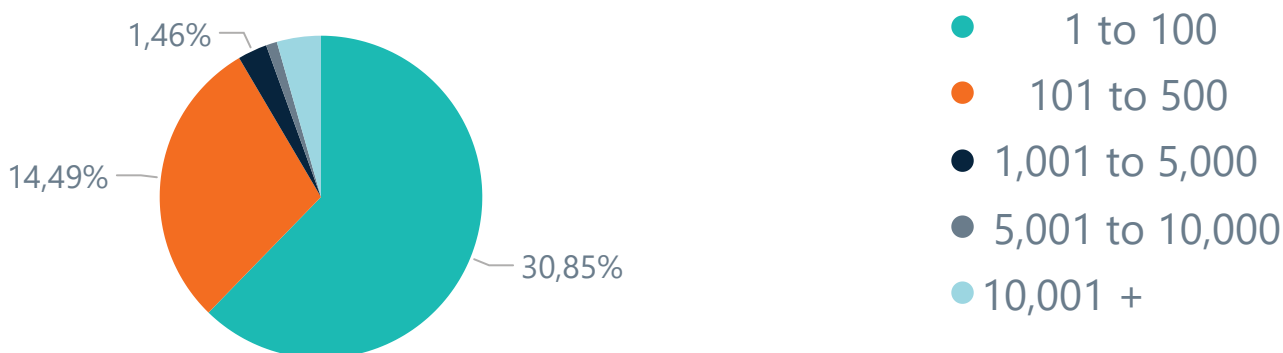
Electrical Engineers

Employment Type
percentage of job opportunities

Temporary 3,76%

Permanent 96,24%
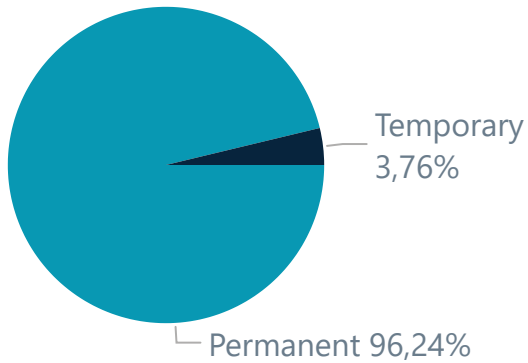
Employment Flexibility
percentage of job opportunities

Remote 1,84%

On-site 96,46%
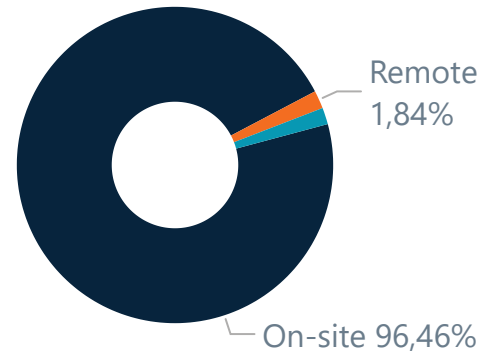
Top 3 Employment Levels
by percentage of job opportunities

69,97%

15,47%

11,20%

Intermediate

Senior Management

Entry
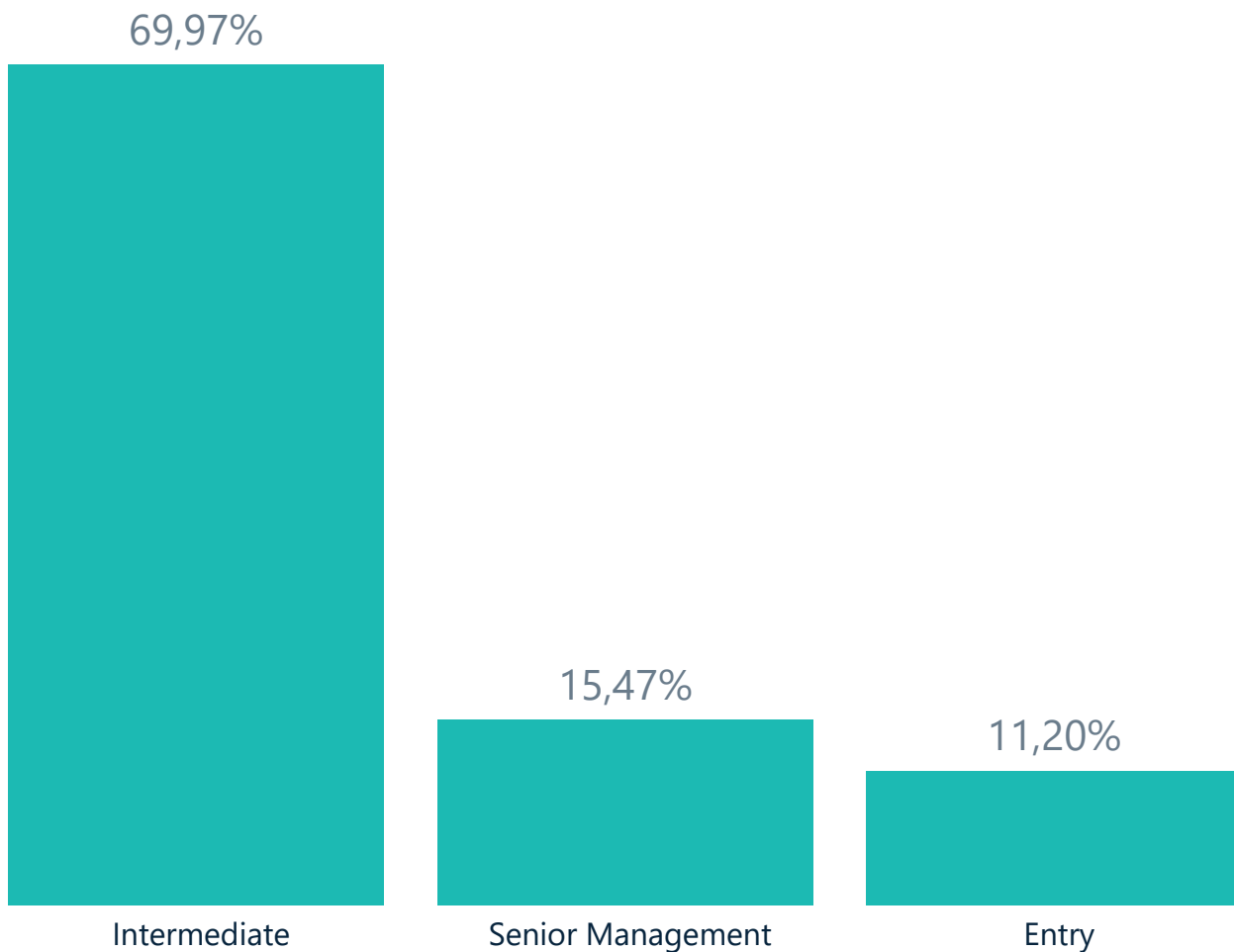
Electrical Engineers

Top 5 Minimum Qualification Level
by percentage of job opportunities

47,05%

9,52%

0,36%   0,22%   0,15%

NQF Level 4   NQF Level 5   NQF Level 6   NQF Level 7   NQF Level 8
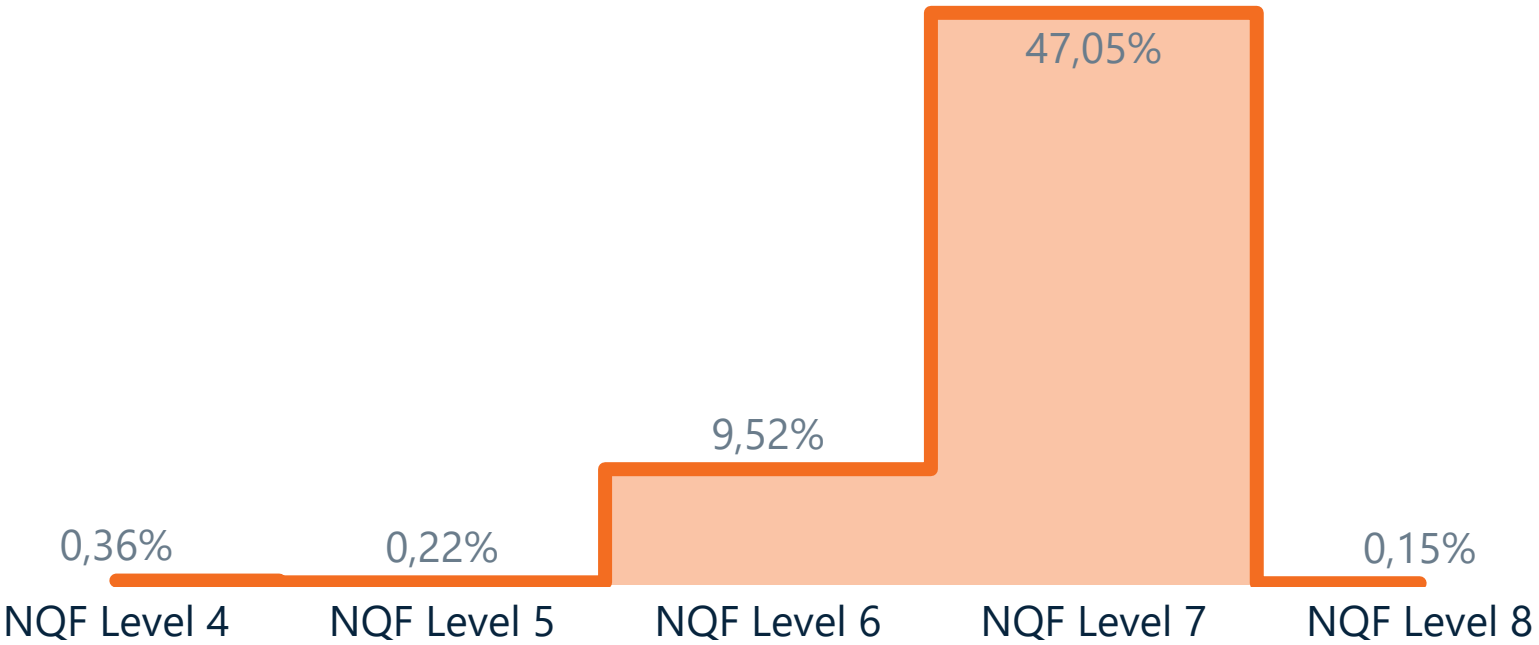
Top 5 Minimum Years Experience
by percentage of job opportunities

19,41%

10,22%

7,17%

6,97%

3,83%

2 years   3 years   5 years   7 years   10 years
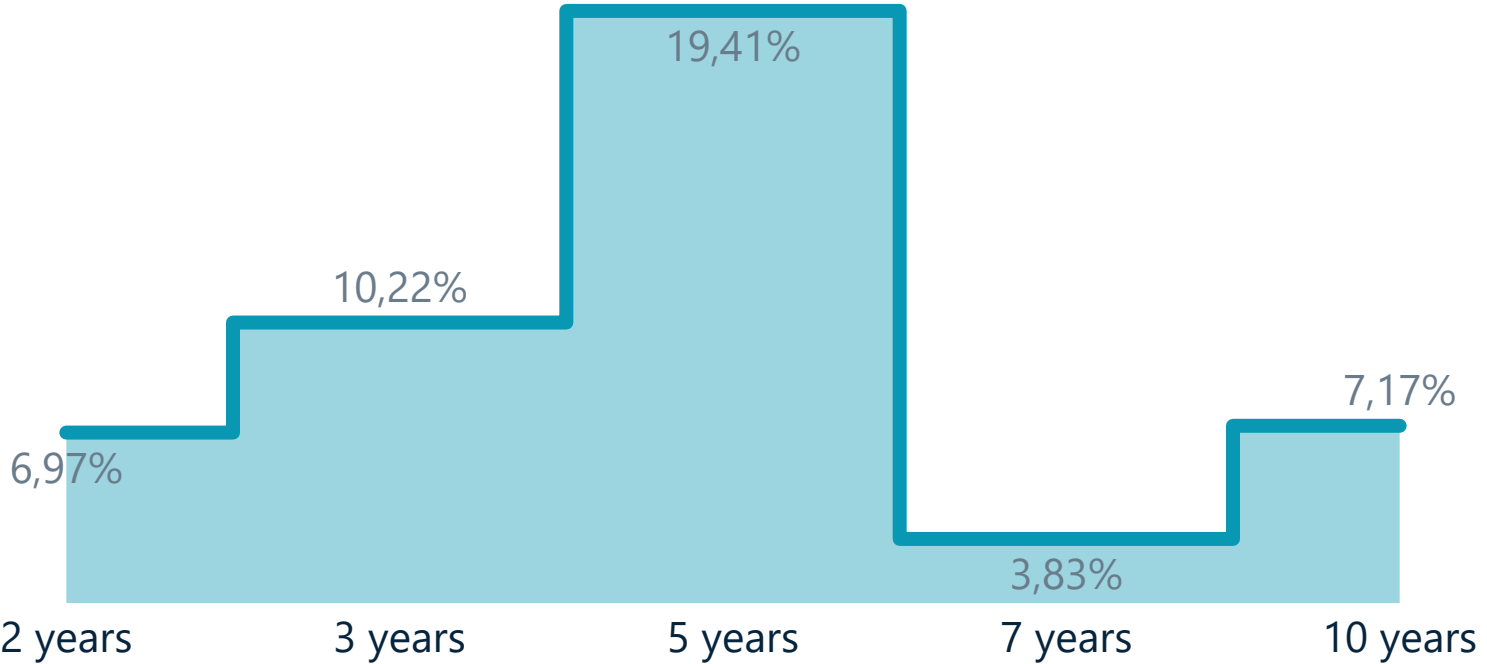
Electrical Engineers

Top 10 Required Skills

Skill	#
Systems Analysis	
Determining how a system should work and how changes in conditions, operations, and the environment will affect outcomes.	**1**
Time Management	
Managing one's own time and the time of others.	**2**
Quality Control Analysis	
Conducting tests and inspections of products, services, or processes to evaluate quality or performance.	**3**
Writing	
Communicating effectively in writing as appropriate for the needs of the audience.	**4**
Troubleshooting	
Determining causes of operating errors and deciding what to do about it.	**5**
Complex Problem Solving	
Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.	**6**
Service Orientation	
Actively looking for ways to help people.	**7**
Learning Strategies	
Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.	**8**
Management of Material Resources	
Obtaining and seeing to the appropriate use of equipment, facilities, and materials needed to do certain work.	**9**
Operations Monitoring	
Watching gauges, dials, or other indicators to make sure a machine is working properly.	**10**

Electrical Engineers

Top 5 Required Knowledge

Design	
Design techniques, tools, and principles involved in production of precision technical plans, blueprints, drawings, and models.	**1**
Engineering and Technology	
The practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.	**2**
Administration and Management	
Business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.	**3**
Customer and Personal Service	
Principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.	**4**
Public Safety and Security	
Relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions.	**5**

Electrical Engineers

Top 10 Required Technology Skills

Geographic information systems	
ETAP	**1**
Computer aided design CAD software	
Siemens NX	**2**
Altium Designer	**8**
Computer aided manufacturing CAM software	
Siemens NX	**2**
Object or component-oriented development software	
C++	**4**
Python	**6**
Spreadsheet software	
Microsoft Excel	**5**
Analytical or scientific software	
PVsyst	**7**
Operating system software	
Linux	**9**
Word processing software	
Microsoft Word	**9**