



7 - 10 May | Cape Town | South Africa

African Partnerships for Sustainable Growth

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The Numbers Game – Shifting the reality of underpaid engineers (when compared to other professions)









#FIDIC_GAMA2017



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STUDY OBJECTIVES AND METHODOLOGY

STUDY OBJECTIVES

- To determine the salary levels of different professionals in different countries
- 2. To determine the factors that affect salaries across professionals
- To assess the growth of salaries pertaining in the engineering profession
- 4. To assess the sustainability of salaries in the engineering profession

METHODOLOGY

- Online survey to professionals through questionnaires by means of a software
- Survey results analyzed and conclusions drawn

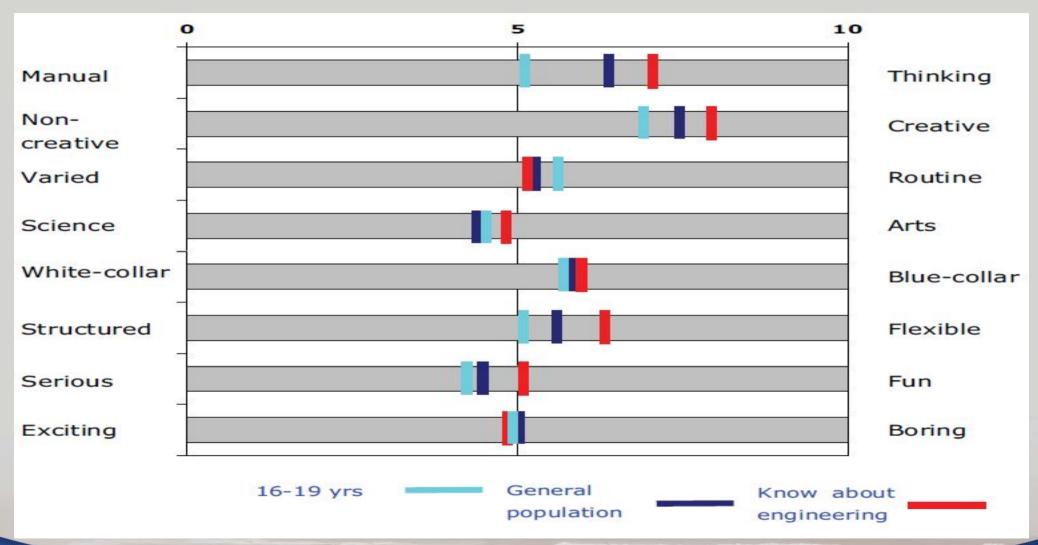


Public-Attitude-Perceptions of Engineering or Engineers

- Building or Construction and Mechanics or fixing things
- Design, Innovation or creativity
- Used to describe other trades like technicians, repairers
- Viewed positively as problem solvers
- Perceived as making good contributing to society
- So many types of engineers making engineering confusion
- Young people generally have limited knowledge of engineering
- Engineers not viewed as professionals or well paid



Public-Attitude-Perceptions of Engineering or Engineers



Source: The Royal Academy of Engineering



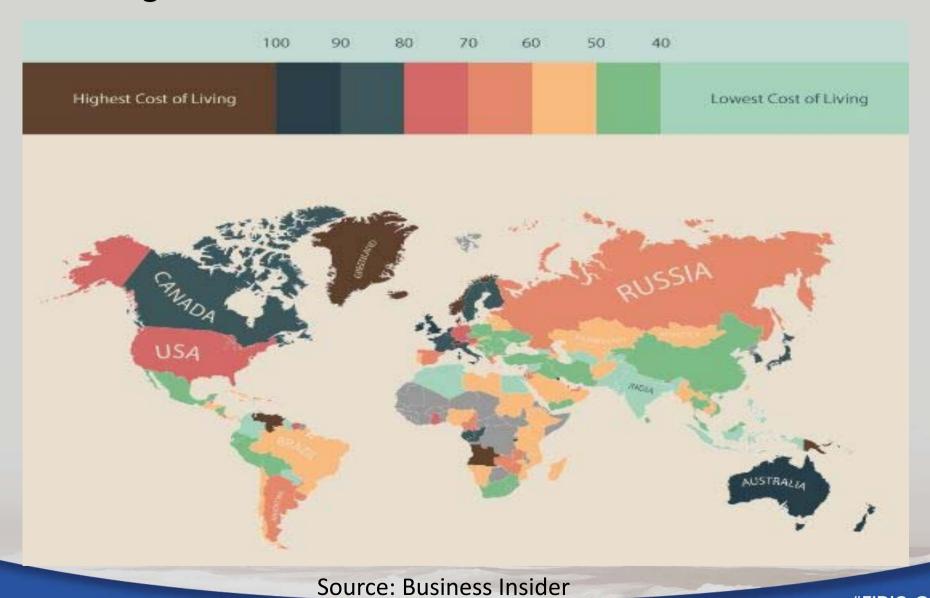
Cost of Living Around the World



Source: Business Insider



Cost of Living Around the World





Cost of Living Index Around the World

The Highest Cost of Living Switzerland Iceland Venezuela Norway Denmark 126.03 118.59 111.51 102.14 100.6 8 10 6 9 UK Australia New Zealand Singapore Kuwait 99.32 93.71 93.61 92.97 92.19 11 13 12 14 15 Finland Belgium Ireland Luxembourg France 88.37 87.22 92.09 91.78 89.68



Source: Business Insider



Salary Review in South Africa (2016)

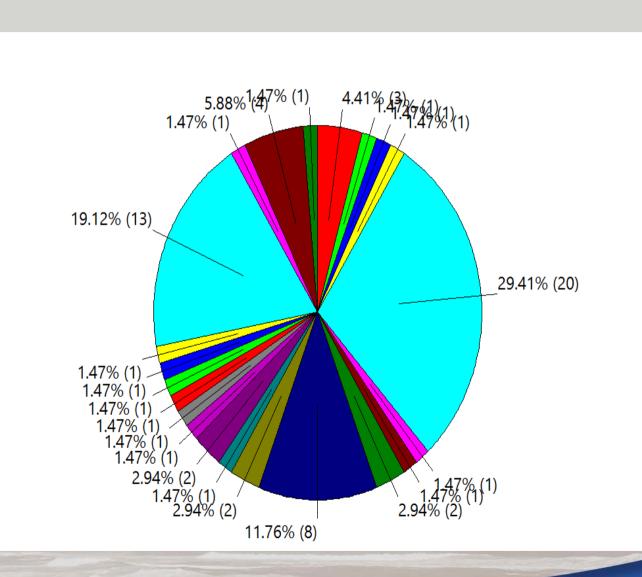
Profession	Salary (USD/month)	
	Highest paid (Senior)	Lowest paid (Skilled)
Admin, Office, and Support	2,403.57	394.70
Design, Media and Arts	3,096.76	1,069.35
Engineering	5,241.85	2,056.78
Building and Construction	5,241.85	1,040.85
Design, Media and Arts	3,096.81	1,069.37
Finance	5,066.15	930.67
Marketing	3,627.59	1,023.66
Manufacturing and Assembly	3,354.39	846.46
Warehousing and Logistics	3,700.62	542.27

Source: Career Junction



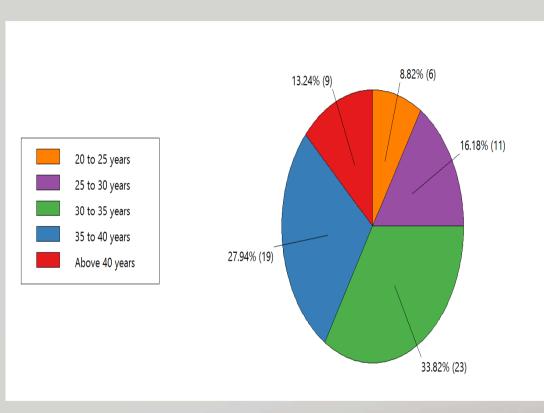
Country



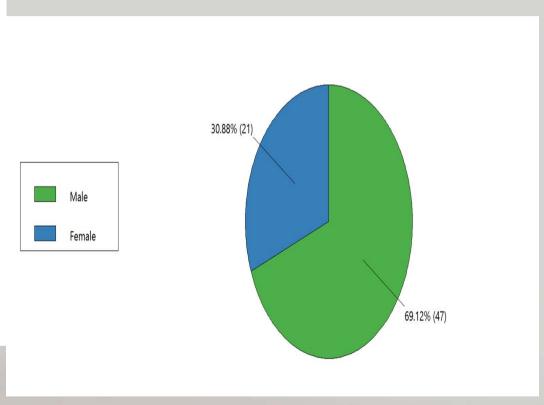




Age

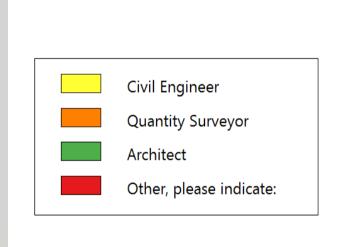


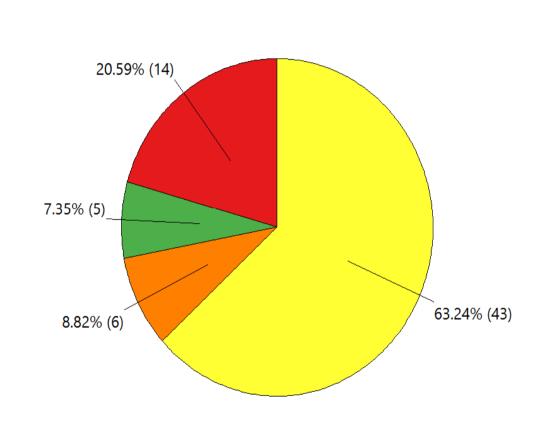
Gender





Profession

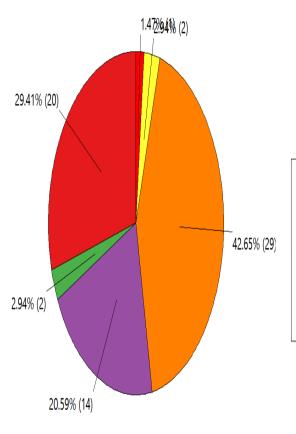




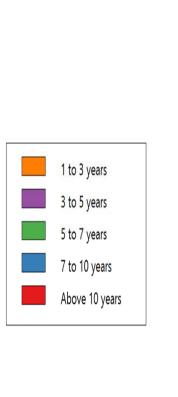


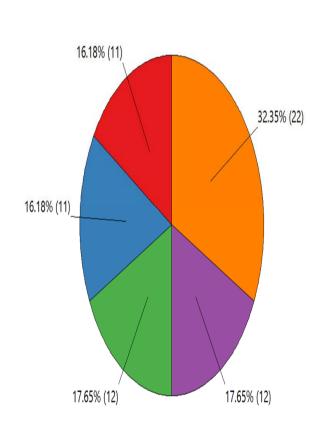
Position Occupied





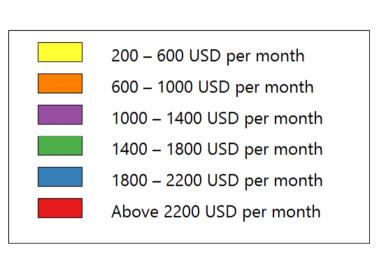
Years served in Position

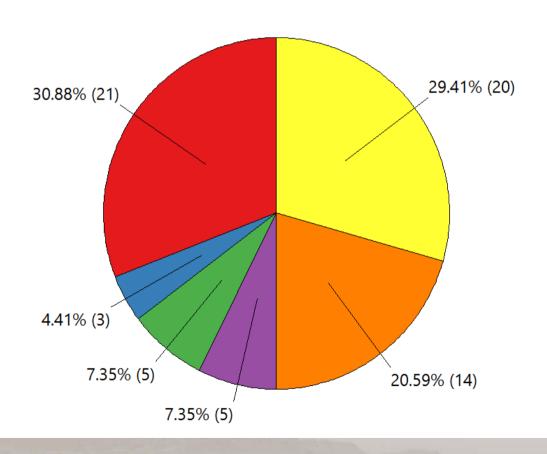






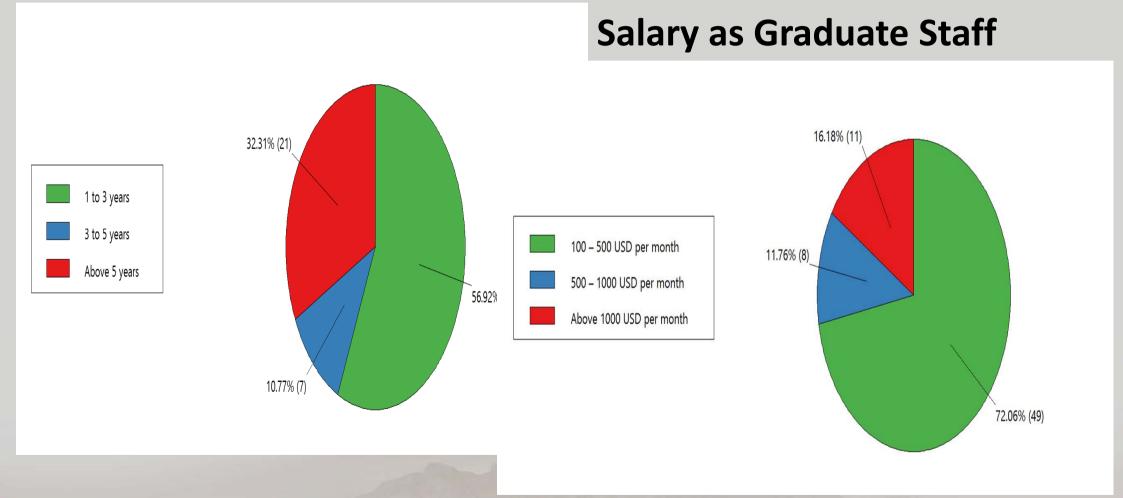
Salary as Professional Staff





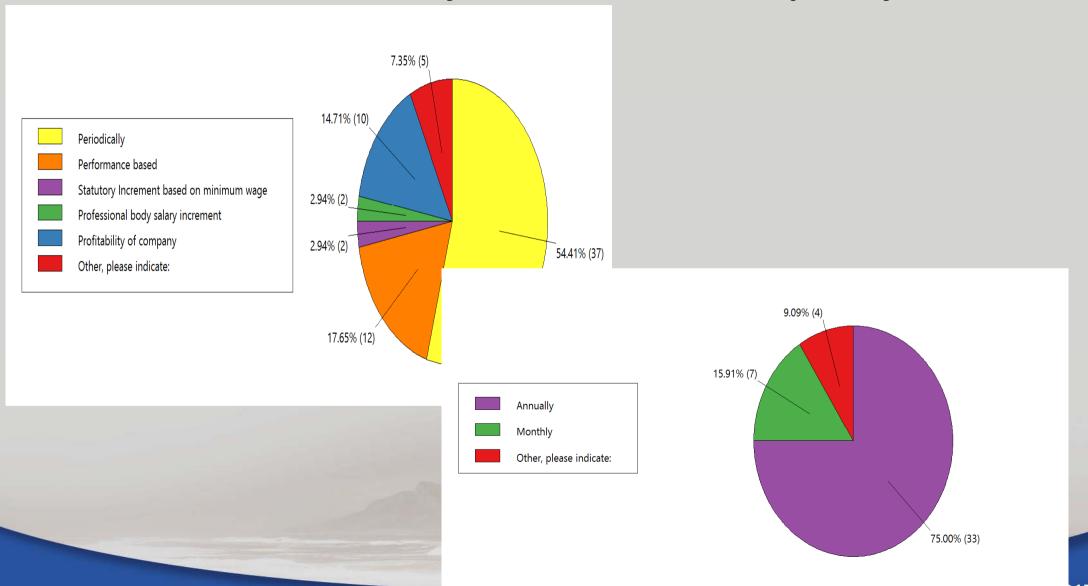


Years Served as Graduate Staff





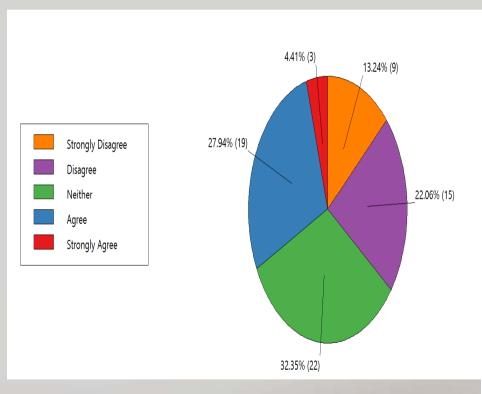
Mode of Salary Increment and Frequency



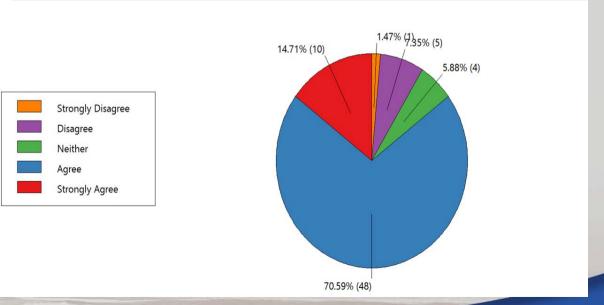


Factors Affecting Salary Levels

Labour Union



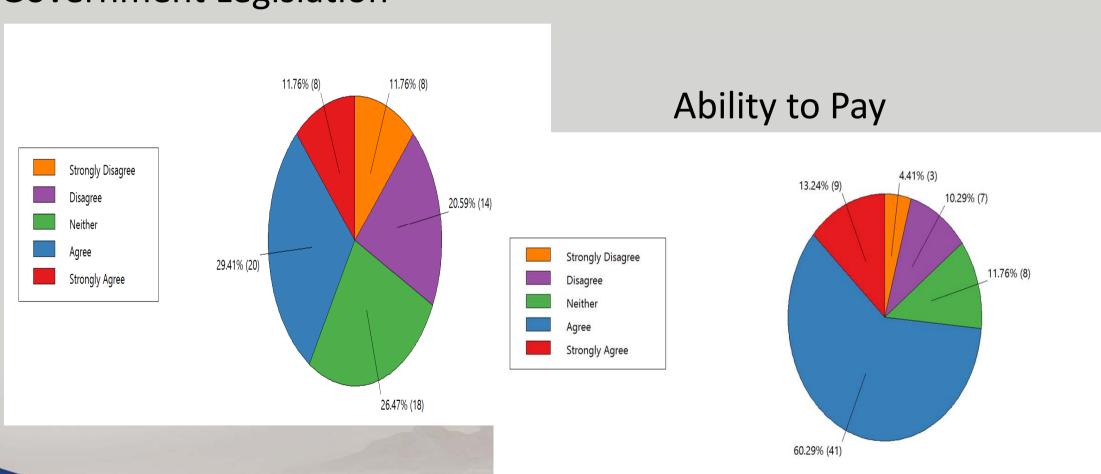
Industry Type





Factors Affecting Salary Levels......

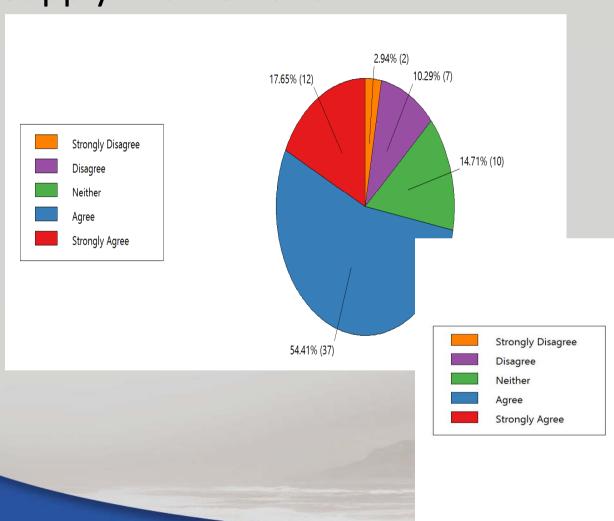
Government Legislation



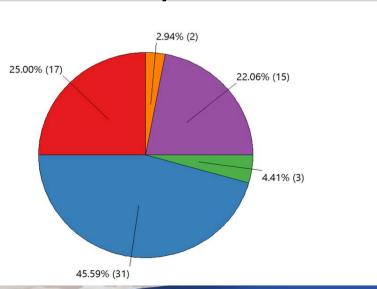


Factors Affecting Salary Levels......

Supply and Demand



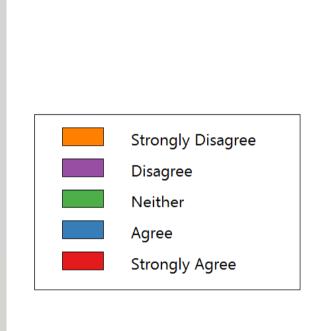
Productivity

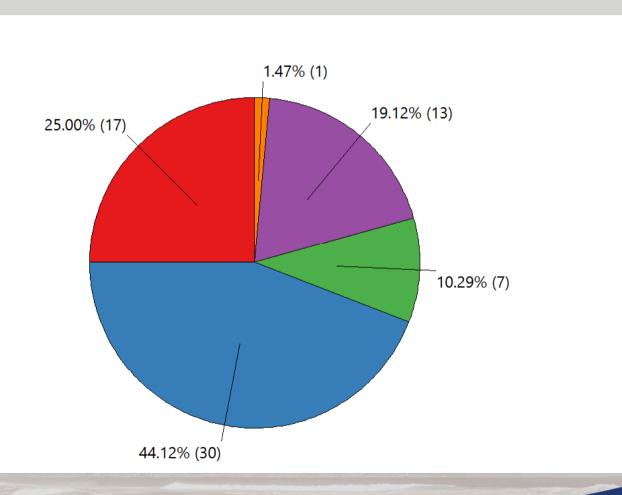




Factors Affecting Salary Levels......

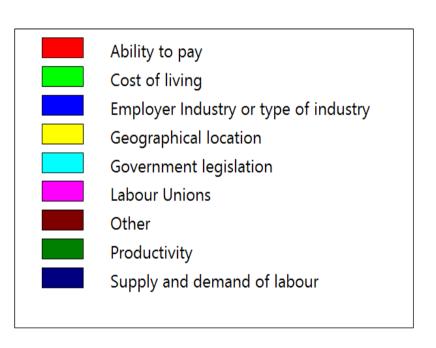
Geographical Location

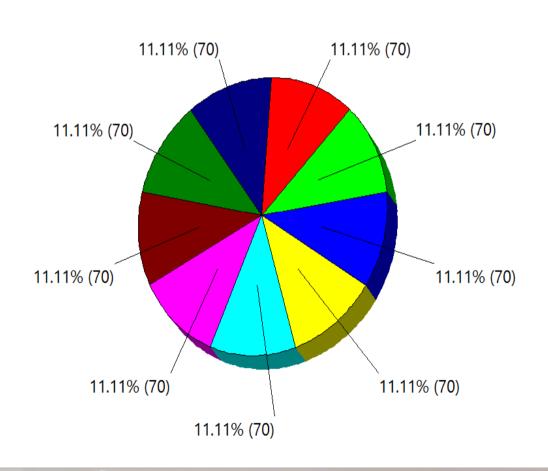






Ranking of Factors Affecting Salary Levels

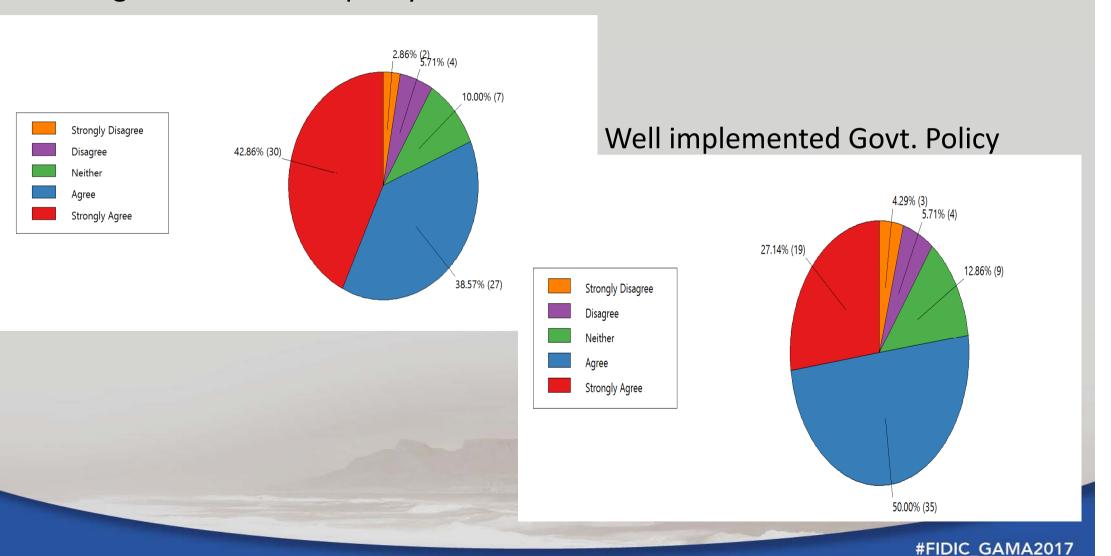






Salary Levels Sustainability Strategies

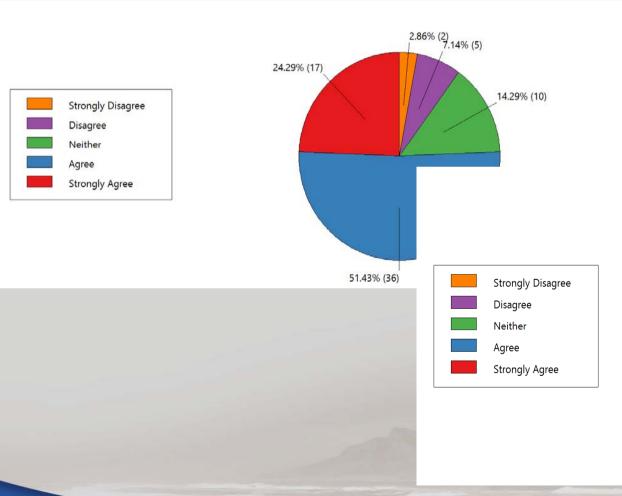
Well-organised industrial policy



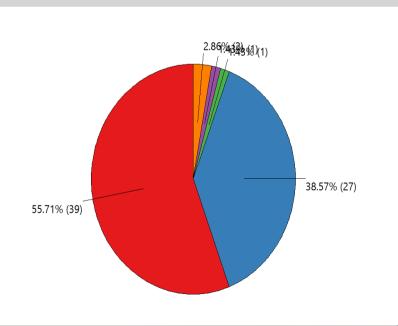


Salary Levels Sustainability Strategies.....

Workers Collective Bargaining Agreement



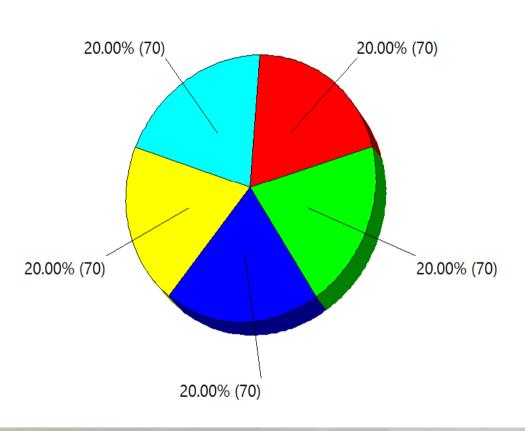
Workers Performance





Ranking of Salary Levels Sustainability Strategies

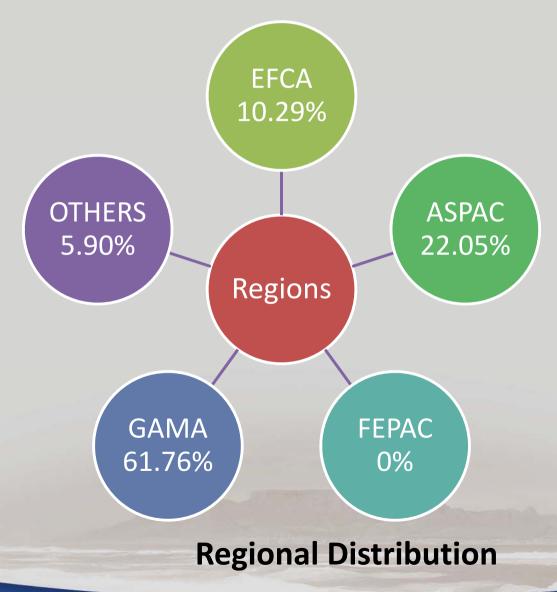






FINDINGS

• 70 Respondents from 23 Countries





FINDINGS

- Engineers in the GAMA region are the lowest paid as compared to their counterparts in both ASPAC AND EFCA regions
- 26% of Engineers in the GAMA region earn an average of USD
 400 per month after working for 6 years
- 26% of Engineers in both ASPAC AND EFCA regions earn an average of USD 2200 per month after working for 6 years
- 57% of graduate staff work for 3 years maximum to become professionals
- 73% of graduate staff earn an average of USD 250 per month



FINDINGS

- 43% of professionals including engineers are dissatisfied with their salaries irrespective of their geographical location
- 75% of professionals get their salaries increased annually
- The factors affecting salaries are multi-faceted
- All the factors affecting salaries are equally important



CONCLUSIONS

Salary Sustainability Strategies

- Salaries of Engineers can be sustained by taken a holistic approach
 - Well implemented Government Legislation
 - Well-organised industrial Policy
 - Workers Collective Bargaining Agreement
 - Workers Performance
 - Other relevant measures or approaches
- Knowledge and awareness about the Engineering profession must be increased especially at the basic school level



REFERENCES

- Business Insider, The cost of living worldwide, 2015
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- Engineers: Public Perception Matters, By Norman Augustine
- The Engineering Profession, A statistical Overview,
 Thirteenth Edition, February 2016
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