

# CHARLOTTE MAY

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Hwange Power Station, Zimbabwe

## EXPERIENCE

### Trainee Mechanical Engineer

#### Padberg

2015 - Ongoing Hwange Power Station, Zimbabwe

Padberg is an investment vehicle in the generation of electricity and the organization construct, own, operate and maintain power generation stations for the supply of electricity in Zimbabwe

- FMEA on supplier part issue; eliminated daily scrap of 4-5 parts
- Utilized Excel to update Standard Work Sheets for 3 programs; TRENT 700, CF6-80 E1, & CF34-10E.

### Mechanical Engineering Intern

#### Lauzon

2013 - 2015 Hwange Power Station, Zimbabwe

Lauzon is one of the world's largest suppliers of technologically advanced aerospace and defense products.

- Reduced the assembly time of the 3D printers by 40% by designing, programming and building machines
- Created & updated 100+ illustrated planning's of all programs within Regional & Engines (RB211).

### Mechanical Engineer

#### Torphy

2010 - 2013 Hwange Power Station, Zimbabwe

Torphy is a Norwegian based global provider of products, services and systems to the oil and gas industry with subsidiary companies in over 20 countries.

- handed over 44 projects in 8 months.
- Reduced the cycle time of a batch of pre-cured strips by 1 minute, by time and motion analysis
- Reduced number of fasteners by 25% through component standardisation
- Finished installation Mechanical work in Waste water treatment Plant (140,000m3 /d) in HCM City.

### Mechanical Engineer (NOC Code: 2132)

#### Lauzon

2009 - 2010 Hwange Power Station, Zimbabwe

Lauzon is a consultancy firm dedicated to engineering projects

- Increased revenue with 30%.
- Individuality formulated the design and erection of 3 stage rotor jet ejector system.
- Experienced with ASME VIII, B16.5, B31.3, TEMA 9th Edition, CAP 437 and NFPA 11 codes and standards.

### Mechanical Engineer

#### Grimes

2007 - 2009 Hwange Power Station, Zimbabwe

Grimes is a large employee-owned, multidisciplinary professional services firm providing technical and strategic services.

- Used 3D Printing technology on a daily basis as part of the prototyping process for products I designed.
- 3D Computer Aided Design, Drafted Standard Geometric Dimensions, Tolerancing
- 2 patents filed in the field of digital cutting and digital printing.

## INDUSTRY EXPERTISE

### Solidworks 3DS

### AutoCAD

### Wastewater treatment systems design

## ACHIEVEMENTS



### Experience

Having the chance to work and acquire experience in my field of studies.



### Go-getter

Eagerness to learn and take new challenges.

## REFERENCES

### Philippe Roy

Head of Payload Mechanical & Thermal Architecture - TAS  
philippe.roy@thalesalenciaspace.com

### Gilles Brocard

Head of Telecommunication Solutions Bld - TAS  
gilles.brocard@thalesalenciaspace.com

## STRENGTHS



### Statistical Software

MINITAB, Excel



### Design Software

Unigraphics & Nastran NX, Solid Works, Autodesk Inventor, AUTOCAD, TeamCenter, Illustrator, InDesign.



### Strengths

Communication and problem solving skills, team worker, proactive, sense of urgency, results oriented and continuous improvement focus.