













BEFORE

<p>TOTAL Pau, France 2011</p>	<p>Placement in Rotating Machinery department (Front End Projects)</p> <ul style="list-style-type: none"> • Objective: create software to assist project engineers in evaluating centrifugal compressors from different manufacturers. • Application of the tool <u>achieved significant savings</u> by allowing Total to challenge OEMs' conservative requirements and develop optimised designs. • Developed centrifugal compressors sizing software: thermodynamics computation from specifications, rotor model generation, rotor-dynamics analysis (Transfer Matrix Method), wrote associated manuals, presented tool to engineers. • Use of <u>API 684 and 617</u>
<p>Company Witry, France 2010</p>	<p>Placement in aeronautics industry</p> <ul style="list-style-type: none"> • Repairs to fighter plane fuel tanks (<i>Rafale, Mirage</i>) • Production of oil tanks for aircraft hydraulic systems (<i>Airbus</i>) including exposure to multiple NDTs
<p>EDUCATION</p>	
<p>University 2011-2012 (UK)</p>	<p>MSc Thermal Power – Rotating Machinery, Engineering and Management <u>Gas turbines (performance, simulation & diagnostic)</u>, materials, rotating electrical equipment, steam turbines, pumps, compressors, piston engines, CFD, fuels & combustion, management for technology. Thesis: sponsored by BP, "on-line compressor washing optimisation" <u>Awarded Course Director's Prize in recognition of academic achievement</u></p>
<p>University 2010-2011 (France)</p>	<p>Master's Degree from Paris University Mechanical design, mechanics, fluid mechanics, turbomachinery. Design of a glass scratching machine for research purposes. Led to an original design that was being patented. Received "Gold Medal" reward upon completion, ranking 2nd out of 1126 students</p>
<p>University 2009-2010</p>	<p>Bachelor's degree in Mechanical and Industrial Engineering (Honours) Ranked 4th out of 1107 <i>Paris University</i></p>
<p><i>Oehmichen</i> 2007-2009</p>	<p>2-year preparation course for engineering school, core subject: Mechanics Final year project about accelerometers in submarine robots</p>
<p>Secondary school < 2007</p>	<p>Scientific French "baccalauréat" passed with Honours (High school leaving diploma) Core subject Engineering Sciences</p>
<p>REFERENCES</p>	
<p>Senior Rotating Equipment Engineer, Technical Authority level 1 for The Netherlands, Southern North Sea UK/NL and Germany</p> <p>Head of Total E&P Rotating Machinery Department, ETN President (European Turbines Network)</p> <p>Senior rotating machines engineer (Total E&P Rotating Machinery Dept.) Vibration specialist</p> <p>Head of Power and Propulsion Department at City University</p>	

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	<p> Trainee Rotating Equipment Engineer 2012-2014</p> <p> Company - 120 small onshore gas / oil fields, Assen, Netherlands</p> <p>Gained experience in RCAs, field troubleshooting, maintenance optimisation and techno-economic studies, on API 618 reciprocating compressors, magnetic bearing compressors and pumps. Successfully completed Company Graduate Programme, with months of in-depth courses at various OEMs in Europe.</p> <p>KEY ACHIEVEMENTS</p> <ul style="list-style-type: none"> • Played a pivotal role in managing a €0.5 million condition-monitoring retrofit project across the machine fleet after initiating its combination with safeguarding improvements.
	<p> Placement – Rotating Machinery Department (Front End Project) 2011</p> <p> Total, Pau, France</p> <p>Acquired skills in compressor design, thermodynamics and rotordynamics. Responsible for creating software to assist project engineers in evaluating bids from manufacturers</p> <p>KEY ACHIEVEMENTS</p> <ul style="list-style-type: none"> • Created an innovative software generating physical rotor from process specifications and then assessing vibration stability over predicted speed range, the tool achieved significant savings by enabling Total to challenge OEM requirements and optimise designs
<p>Education</p>	<p> MSc Thermal Power – Rotating Machinery, Engineering & Management 2011-2012</p> <p> Cranfield University, UK</p> <p>Awarded Course Director's Prize for Academic Achievement Thesis (Sponsored by BP): "On-line compressor washing optimisation"</p> <p> Master's Degree 2010-2011</p> <p> Arts et Métiers ParisTech, France</p> <p>Gold Medal Award; ranked 2nd out of 1126 students</p> <p> Bachelor's Degree (Honours) Mechanical & Industrial Engineering 2009-2010</p> <p> Arts et Métiers ParisTech, France</p> <p>Ranked 4th out of 1107 students</p> <p>CERTIFICATION</p> <p>Chartered Engineer (CEng MIMechE) EUR ING (European Engineer) ISO 18436 CAT III Vibration Analysis (Mobius) & CAT II Vibration Analysis (BINDT) Offshore Certificates (BOSIET and MIST), Dutch H2S and VCA (safety) certifications</p>
<p>Competencies</p>	<p> IT Skills</p> <p>Word, Excel, PowerPoint, Access, SAP BluePrint, Mathematica, MathCAD, Matlab Bently Rack Configuration Software, Adre SxP, Catia, Solidworks, Icem, Turbogrid, Fluent, CFX Simulink, LabView, HTML, Visual Basic, VBA, Fortran 90, SQL and LaTeX</p> <p> Languages</p> <p>Native French, Fluent English (TOEIC: 990) and Basic Dutch, Spanish and Arabic</p>
<p>Interests</p>	<p>Indoor football, jogging, rowing, technology and antiques</p>
<p>Volunteering</p>	<p>Registered STEM Ambassador – participating in various science and technology related events and engaging children in STEM subjects via interactive talks, workshops and competitions</p>

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SKILLS	
Languages	<p>French: native language English: fluent (TOEIC: 990) Dutch: basic Spanish: basic Arabic dialect: basic Written Arabic: basic</p>
Certifications	<p>Chartered engineer CEng MIMechE EUR ING (European Engineer) ISO 18436 CAT III Vibration Analyst (Mobius) ISO 18436 CAT II Vibration Analyst (BINDT) Full VCA (Veiligheids Checklist Aannemers) (Dutch HSE course) H2S certification Offshore certificates (BOSIET and MIST)</p>
I.T. skills	
Office suite	Word, Excel, Power Point, Access
CMMS	SAP BluePrint (Computerised Maintenance Management Software)
Rotordynamics	RotorInsa
Bently Nevada software	Bently rack configuration software, Adre SxP
CAD	Catia, Solidworks
CFD	Icem, Turbogrid, Fluent, CFX
Computation	Mathematica, Mathcad, Mathlab
Simulation	Simulink, LabView
Languages	HTML, Visual Basic, VBA, Fortran 90, SQL, LaTeX
Personal	<p>Curious Team player, open-minded and sociable Not afraid to get my hands dirty Problems solver</p>
LEISURES	
	<p>Indoor football, jogging, rowing Technology Antiques</p>
VOLUNTARY	
	<p>STEMNET: As a registered STEM ambassador, I take part in various science and technology related events. By way of interactive talks, workshops and competitions, I engage with children to encourage them to enjoy STEM subjects.</p>

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THE ORIGINAL DOCUMENT HAS BEEN CONDENSED TO A RECOMMENDED LENGTH AND AS A RESULT IS CLEARER AND MORE SUCCINCT.