Apprentice Opportunities

LEONARDO
HELICOPTERS

A BRIEF HISTORY OF

Leonardo Helicopters

1907 Giovanni Agusta builds his first aeroplane.

1915 **Westland Aircraft Works founded.**

1923 Agusta founded.

1933

First flight over Everest.

1936

Lysander - probably the most famous of the Westland fixed wing aircraft.

1941

The Westland factory was a vital centre for Spitfire repairs during the Battle of Britain.

1946

The move to Helicopters. WS-51 Dragonfly Westland built version of the Sikorsky S-51.

1960

Westland acquire Bristol Helicopters, Fairey Aviation and Saunders-Roe to become Westland Helicopters.

1965

The first Anglo-Italian collaboration Westland-Agusta/Bell 47G.

1968

Westland built the Sikorsky SH-3D under licence as the Sea King.

1971

First flight of the Lynx prototype aircraft. Lynx later took the World absolute speed for helicopters, a record which still stands today.

1979 Agusta and Westland form a Joint Venture to build the EH101.

PP1, The first of 9 pre-production EH101 aircraft made its maiden flight on 9 October 1987.

In 1991 the UK MOD ordered 44 Merlin HM Mk1 helicopters, followed by 22 Merlin HC Mk3s.

1995 GKN Westland Helicopters formed after successful take-over by GKN.

1996 A contract for Apache AH-1 Mk.1 helicopters.

2001 GKN & Finmeccanica form AgustaWestland.

2002 Canadian Forces Cormorant entered service in July 2002.

2004 AgustaWestland fully owned by Finmeccanica.

2017 Finmeccanica rebranded as Leonardo Company in January 2016

2015 WESTLAND 1915-2015

Westland celebrated a Century of Aeronautical Achievement.

To date Leonardo Helicopters have sold 4800 helicopters to 1400 customers in 105 countries.

Leonardo Helicopters AW189 helicopter selected for UK Search and Rescue.

2014 Lynx Wildcat delivered

2012 AW139 stars in the Olympics opening ceremony.

AW101 features in

SKYFALL

007

APPRENTICE RECRUITMENT

Why Leonardo Helicopters?

Leonardo Helicopters is the only helicopter manufacturer in the UK and is the world leader in transmissions testing and technology. As a company we offer our apprentices a truly unique opportunity to work on a variety of aspects of the aircraft from design to manufacturing and assembly.

Our Craft Apprenticeships are for those who want to work on the build of the aircraft, rotor blades, components or gearboxes. There are a variety of routes for this scheme so please take a look at which would suit you best.

Our Technician Apprenticeships are for those who want to learn more about the theory behind the manufacturing process. We provide two routes on this scheme Electrical and Mechanical, please read more about which of these routes would suit you best.

Our Degree Apprenticeship scheme is aimed at individuals who have already achieved Advanced Level qualifications and wish to learn more about mechanical or electrical engineering theory through a more academic route.

APPRENTICE RECRUITMENT

CONTENTS

APPRENTICE RECRUITMENT

Where Are We?

- Subsidiaries
- Associates and Joint Ventures

UNITED KINGDOM

Yeovil
Final Assembly, Transmissions and Blades

ITALY

Cascina Costa
Group Headquarters

Vergiate
Final Assembly

Anagni
Composites and Blades

Frosinone
Rotor Heads

Benevento
Castings

Brindisi
Structures

POLAND

Swidnik
Final Assembly and Structures

UNITED STATES OF AMERICA

Philadelphia
Final Assembly

Leonardo Helicopters is a world leader in helicopter manufacture, based in Yeovil, Somerset. We design, develop and manufacture the world's most advanced rotorcraft for civil and military customers all over the world. Leonardo Helicopters provide exceptional career opportunities in a large range of business and engineering fields. Our operations are based across the UK, Italy, Poland and the USA.

We are part of the world-class Leonardo group; the main Italian industrial group operating globally in the aerospace, defence and security sectors and one of the world's leading groups in the fields of helicopters, defence electronics, satellite and space services. Leonardo has a workforce of more than 64,000 people operating across 362 sites and 22 countries Worldwide.

What Apprenticeships are on offer?

Choose a path to your future career:

Craft

I'm quite hands-on and enjoy making and repairing things

Qualifications Required:

5 GCSEs grade C (pre 2017) or grade 4 (post 2017) minimum inc Maths, English & Science

- Transmissions Machining*
- Mechanical
- Electrical
- Composites

* The Transmissions Machining route requires 4 GCSEs grade C (pre 2017) or grade 4 (post 2017) minimum inc Maths, English & Science

Technical

I am interested in Engineering Theory

Qualifications Required

4 GCSEs grade C (pre 2017) or grade 4 (post 2017) minimum inc. English and Science.

Plus GCSE Grade B or grade 5 minimum in Maths.

- Electrical
- Mechanical

Degree

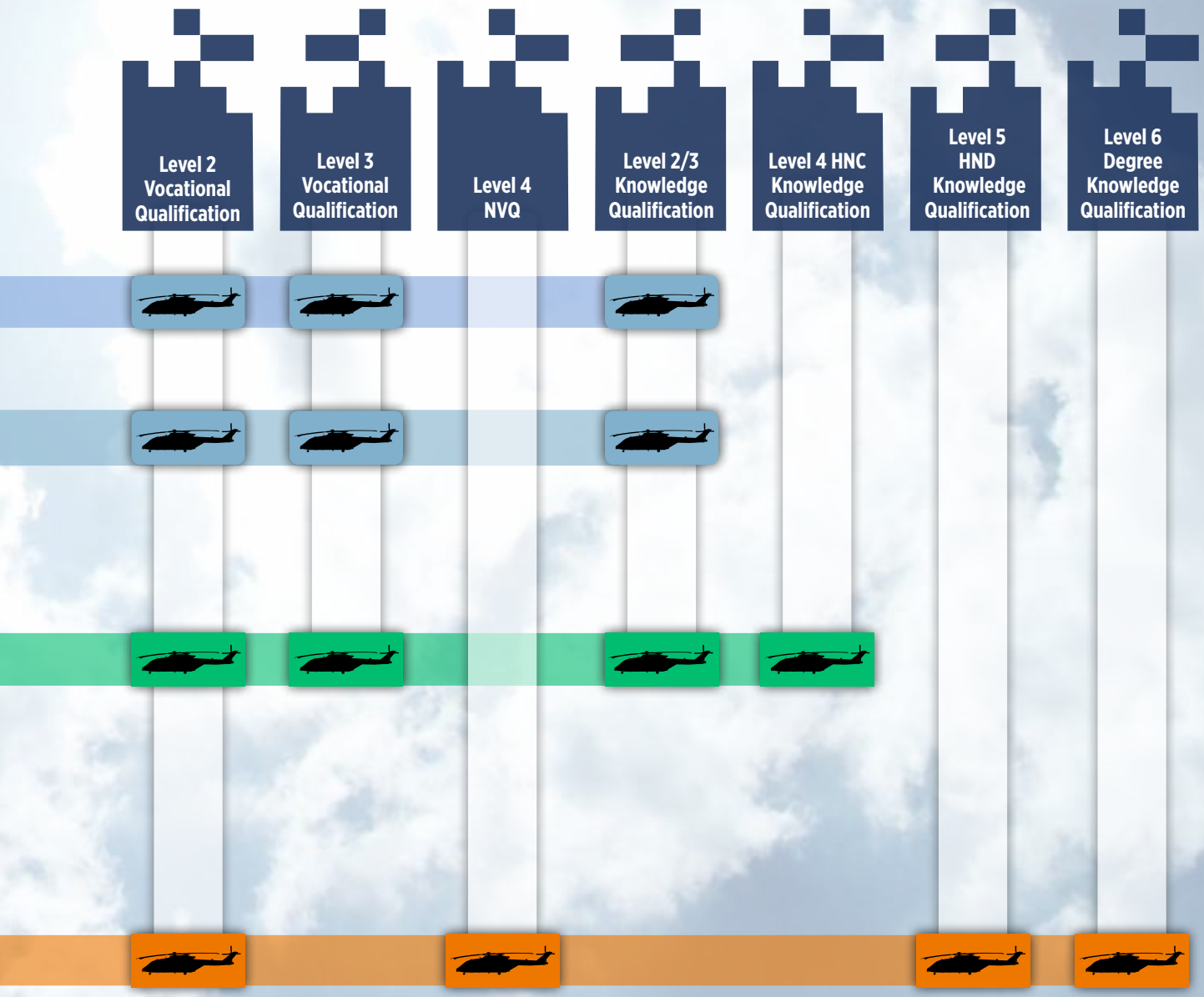
I am interested in the academic aspects of engineering theory

Qualifications Required

240 UCAS points (pre 2017) or 96 (post 2017) or above at A-Level standard or equivalent, to include maths and at least one further STEM based subject such as science or engineering. Plus 4 GCSEs grade C (pre2017) or grade 4 (post 2017)minimum inc English and Science and a GCSE grade B or grade 5 minimum in Maths.

- Electrical
- Mechanical

Earn these qualifications



What can I achieve?

YEAR ONE

YEAR TWO

Technician Apprenticeship

- Full time attendance at college to complete year 1 of study
- Level 2 Vocational Qualification
- Level 3 Knowledge Qualification
- The Technical Scheme qualifications may change to reflect the craft scheme

- Based at Leonardo Helicopters Yeovil to complete on site placements
- Start Level - Vocational Qualification
- Attend college on day release to complete Level 3 Knowledge Qualification

Craft Apprenticeship

- Full time attendance at college to complete year 1 of study
- Level 2 Vocational Qualification
- Level 2 Technical Qualification

- Based at Leonardo Helicopters Yeovil to complete work placements
- Start Level 3 - Vocational qualification in work placements
- Attend college on day release to start Level 3 technical qualification

Degree Apprenticeship

- Full time attendance at college to complete year 1 of study
- Level 2 Vocational Qualification
- Start Higher National Certificate (Level 4) knowledge qualification

- Based at Leonardo Helicopters Yeovil to complete on site placements
- Start Level 4 - Vocational qualification in work placements
- Attend college on day release to continue with the HNC

YEAR THREE

- Based at Leonardo Helicopters Yeovil to complete on site placements
- Continue Level 3 Vocational Qualification
- Attend college on day release to study Higher National Certificate (HNC)

- Based at Leonardo Helicopters Yeovil to complete on site placements
- Continue with Level 3 Vocational Qualification

- Based at Leonardo Helicopters to complete on site placements
- Continue Level 4 Vocational Qualification
- Start Higher National Diploma (HND) at Level 5

YEAR FOUR

- Based at Leonardo Helicopters Yeovil to complete on site placements
- Complete Level 3 Vocational Qualification
- Attend College on day release to complete HNC (Higher National Certificate)

- Based at Leonardo Helicopters Yeovil to complete on site placements
- Complete the Level 3 Vocational Qualification

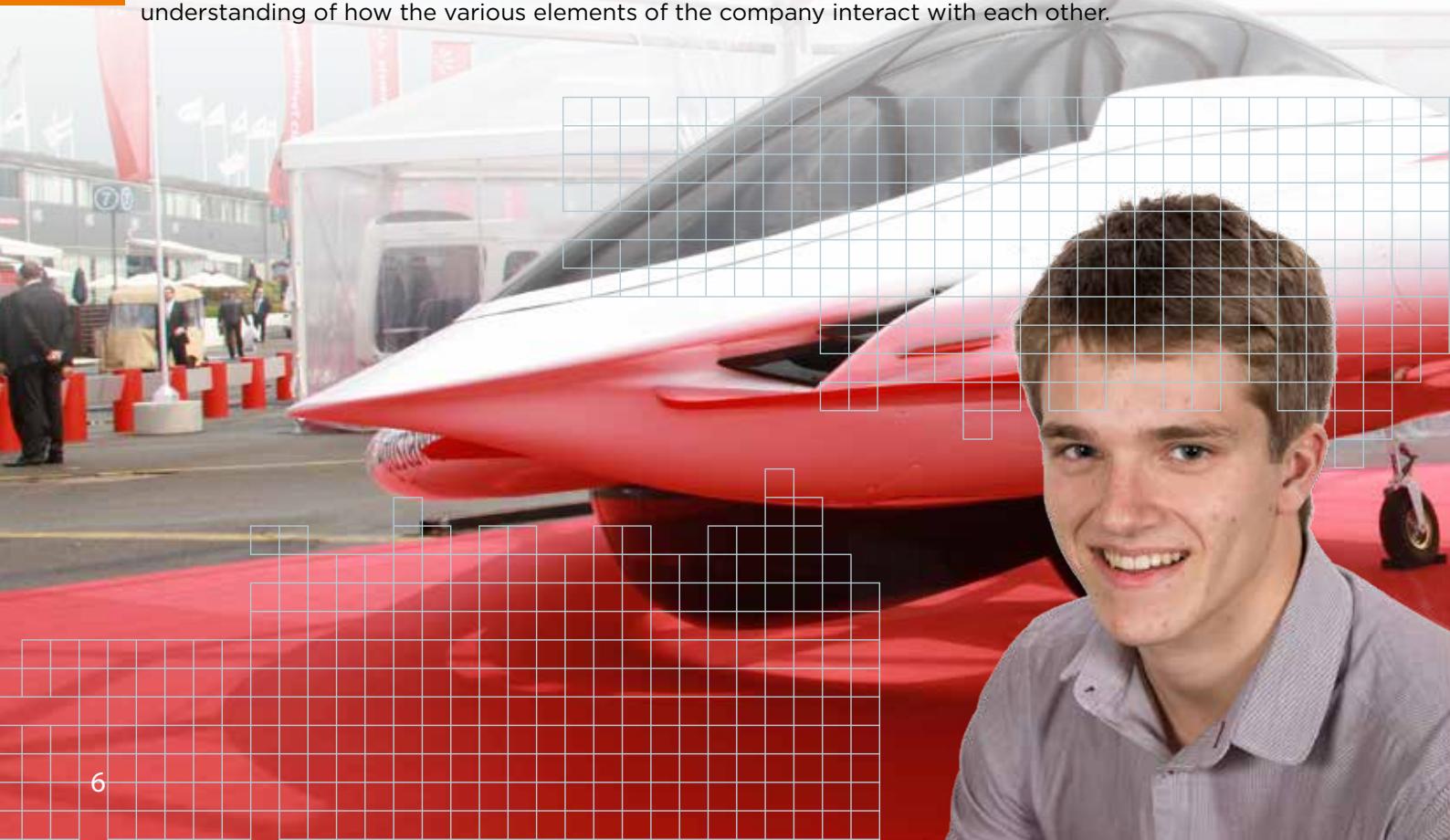
- Based at Leonardo Helicopters to complete on site placements
- Complete Level 4 Vocational Qualification
- Start Top-up Qualification up to Degree Level (Level 6)

APPRENTICE RECRUITMENT

Degree Apprenticeship Scheme

This route offers a real alternative to purely university study, allowing Apprentices to gain Higher Education qualifications with genuine work experience, all while earning a salary. There are two specialisations to choose from, Mechanical and Electrical Engineering, both of which allow the Apprentice to study at Foundation Degree level with an academic provider and NVQ level 4 whilst in work placements around the business. Dependent on individual performance and business requirements, the opportunity may exist to study at full degree level.

On-site placements will typically last for six months and be mainly focused around, but not limited to the various Engineering Departments. These could include: Rotor Design, Aircraft Structural Design, Electrical Installation Design, Aircraft Systems Engineering and Stress Analysis. Opportunities may also exist to be placed within the Operations and Business Departments to gain a better understanding of how the various elements of the company interact with each other.



Technical Electrical Apprenticeship

Craig Wannell - Year 4

As part of the technical apprenticeship I have worked in departments ranging from Transmissions Material Supply, where I was put in charge of managing a handful of subcontract suppliers, to my current placement; Flight Control Systems (Avionics) where I have been tasked with designing and constructing a new maintenance test programme for the AW159 aircraft.

Being an apprentice at Leonardo Helicopters has given me increased confidence and a greater level of experience, both of which I feel will help me overcome challenges in the future.

Technical Electrical Apprentices will have placements in the following departments

Manufacturing Engineering
Work closely with the aircraft production line, producing the electrical work instructions for the manufacture of aircraft on the build lines.

Electrical Manufacturing Centre
Involved in the planning of loom manufacture, designing the form boards to manufacture the looms, manufacture of aircraft looms and continuity testing.

Environmental Electromagnetic Effects
Gain an understanding and participate in the clearing of aircraft from an electro-magnetic capability perspective.

Electrical Design
Learn and carry out 3D design of electrical cabling/ looming to meet the aircraft specifications.

Continuous Improvement
Learn and be expected to understand, evaluate and identify potential improvements within the business.

Avionics
Run the test schedules for the testing of aircraft Line Replacement Units (LRU's), electrical systems and software on specific test beds.

Customer Support & Training (CS&T)
Gain knowledge of how Leonardo Helicopters supports the customers once aircraft are in-service.

APPRENTICE RECRUITMENT

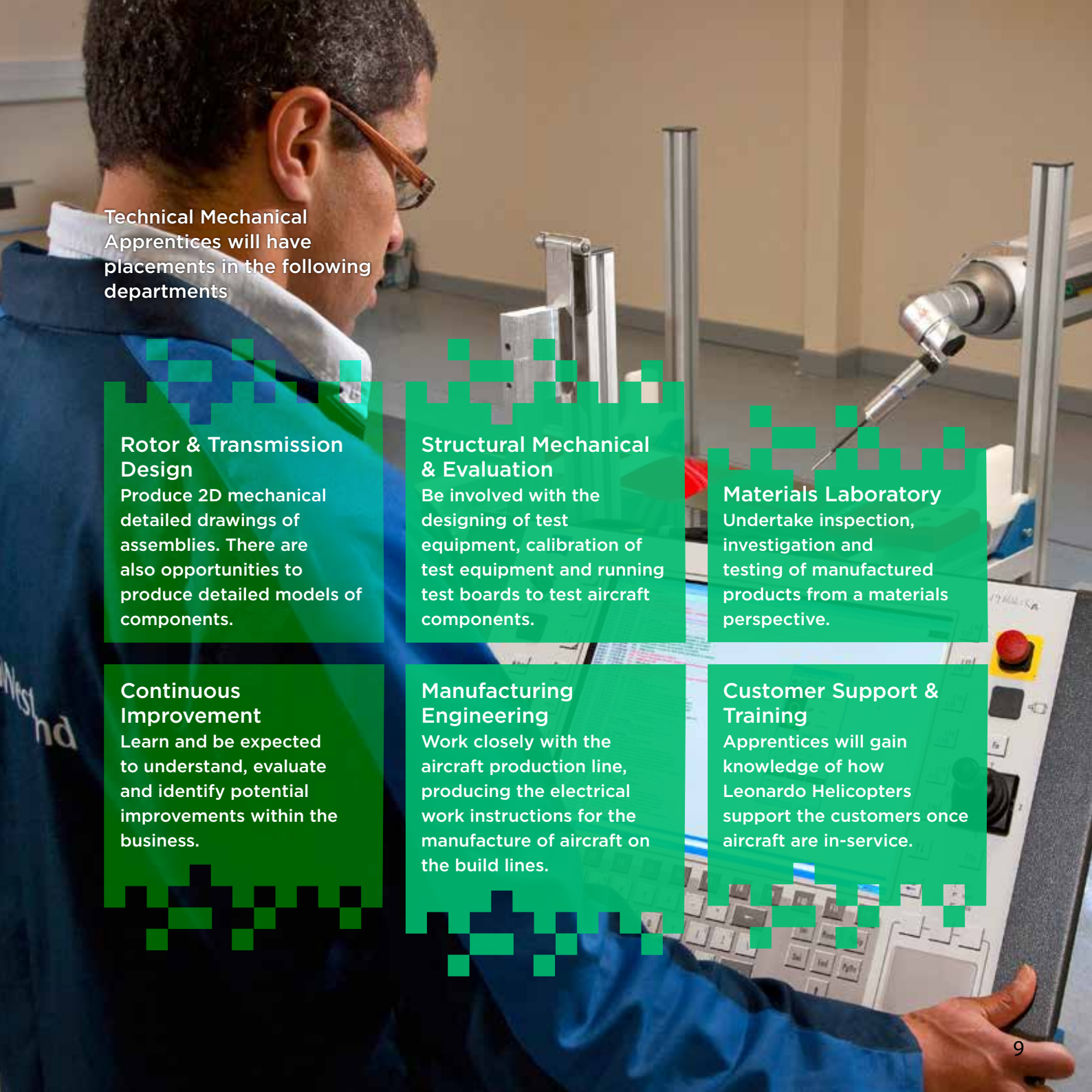
Technical Mechanical Apprenticeship

Tom McKenzie - Year 4

Since I was about 14 I knew that I wanted to be an engineer, and in particular, I wanted to be involved with aircraft. I had originally planned to go to university to study aeronautical engineering, however the uncertainty of finding work after my degree was a major concern. When I heard about the possibility of doing an apprenticeship with Leonardo Helicopters I jumped at the chance.

I was drawn to the Technical Mechanical Apprenticeship as I had always been interested in the idea of designing and testing aircraft and components. So far, my apprenticeship has offered me a wide variety of experiences across the business, including writing job instructions and operating procedures detailing how a part is to be manufactured, to working alongside aircraft ensuring they have the correct parts at the right time. I still have a lot of places within the business that I have yet to see, but the training team will do whatever they can to ensure I experience as much as possible.

The Technical Apprenticeship has given me a great standing on which to base a career in the aerospace industry, and will continue to give me the opportunity to progress. I would definitely recommend the Technical Apprenticeship to anyone who is interested in working in the aerospace industry, and particularly those who want to further their education alongside gaining experience in a working environment.



Technical Mechanical Apprentices will have placements in the following departments

Rotor & Transmission Design

Produce 2D mechanical detailed drawings of assemblies. There are also opportunities to produce detailed models of components.

Structural Mechanical & Evaluation

Be involved with the designing of test equipment, calibration of test equipment and running test boards to test aircraft components.

Materials Laboratory

Undertake inspection, investigation and testing of manufactured products from a materials perspective.

Continuous Improvement

Learn and be expected to understand, evaluate and identify potential improvements within the business.

Manufacturing Engineering

Work closely with the aircraft production line, producing the electrical work instructions for the manufacture of aircraft on the build lines.

Customer Support & Training

Apprentices will gain knowledge of how Leonardo Helicopters support the customers once aircraft are in-service.

APPRENTICE RECRUITMENT

Craft Electrical Apprenticeship

Rhys Sargent - Year 4

As part of the Craft Electrical Apprenticeship we move around different areas on site. I started in the Electrical Manufacturing Centre (EMC) where I learnt the skills to build electrical looms for the aircraft, I then moved to the Flight Shed where I carry out testing on the aircraft. During the 3 years on site I will be moved around different areas to learn different skills and the role that each department plays within the company. Each placement will help to further my career and develop me as an engineer.

Leonardo Helicopters has helped me massively during the Apprenticeship as I relocated from Swansea in South Wales. The staff have helped me with finding properties to rent in the area and if there is anything I need help with, someone is there to support me whether it's to do with the Apprenticeship or with personal situations. I would advise anyone to consider joining Leonardo Helicopters.

Flight Shed (Final stages of aircraft manufacture)

The flight shed area contains the aircraft that are being prepared for flight and may be undergoing flight trails. This area will focus on electrical/avionic systems test fault finding and diagnosis skills base.

Electrical Manufacturing Centre (EMC)

The EMC is the area that manufactures the majority of the cable assemblies, electrical panels and looms for the aircraft.

Avionics

The avionics placement focuses on the detailed assembly work (i.e. soldering & printed circuit boards). Apprentices may be involved in the build of development avionics test rigs.

Aircraft In-Service

These areas contain in service aircraft that we maintain and repair for the customer. This placement will involve electrical/ avionics modification, fault finding and diagnosis skills base.

Field Service

Working as part of a contractor's working party/ training team based at an off-site location carrying out modification works or preparation for flight activity.

APPRENTICE RECRUITMENT

Craft Mechanical Apprenticeship

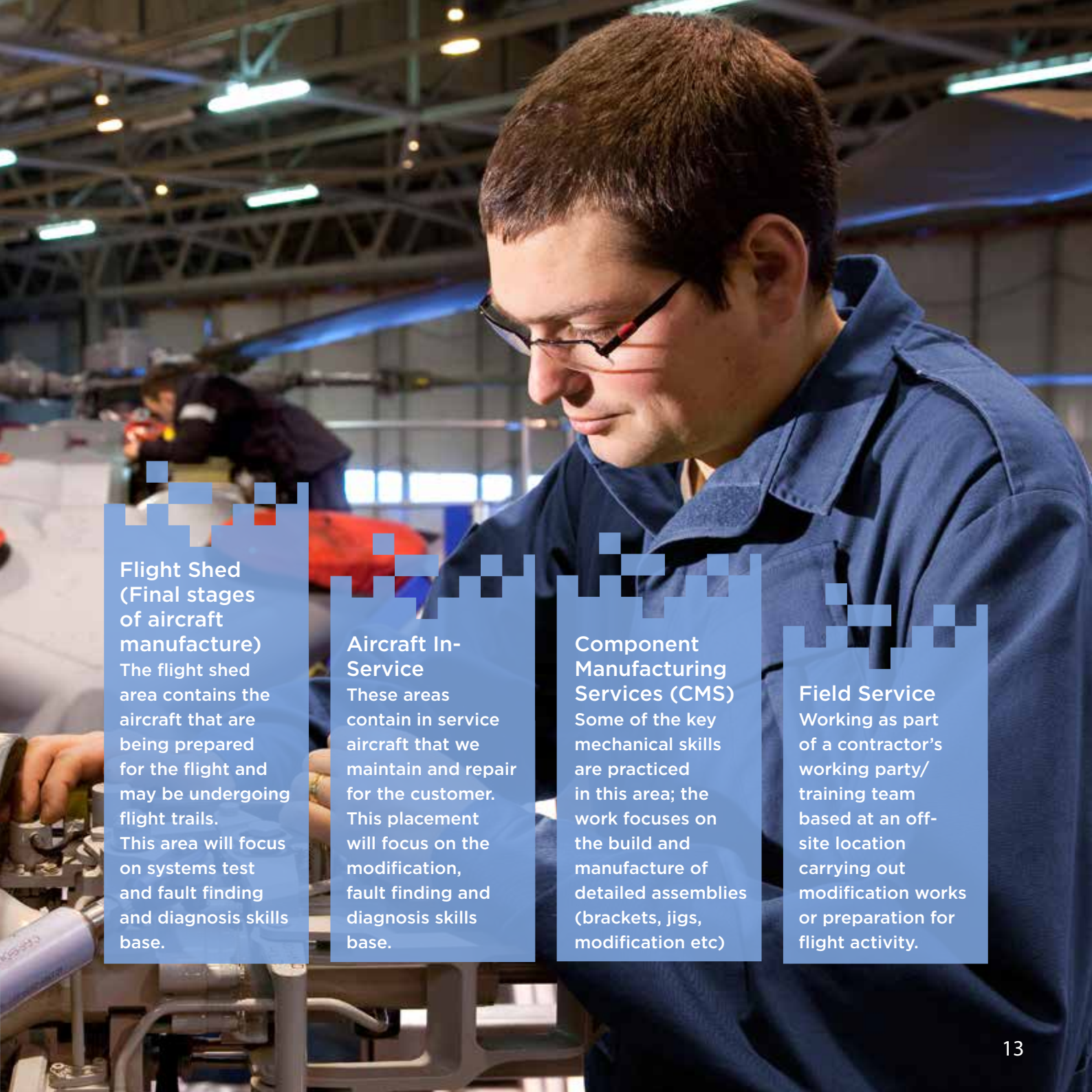
Liam Valentine - Year 4

I've always felt more comfortable being hands on when learning rather than being sat in a class room which left me with limited options available. After experimenting with various jobs and college courses I joined the Leonardo Helicopters apprenticeship scheme and I have never looked back. In the last four years I have worked my way around the company, gaining hands on experience in different departments and being taught by the operatives that are performing the jobs on a day to day basis. This practical method of learning has made it far easier to process and understand the theoretical aspects of the training programme, allowing me to achieve my full potential.

I am now nearing the end of my apprenticeship and I have gained some fantastic experience both on and off site. This included manufacturing components at the beginning of the process, all the way through to final assembly and testing in the flight shed.

I have also been lucky enough to take part in various off site activities including representing the training programme at The Royal Bath and West Show and recently providing support on a AW101 trials programme in Scotland.

I would thoroughly recommend this programme to anyone with an interest in engineering because the programme offers a fantastic opportunity for learning with plenty of potential for further development.



Flight Shed (Final stages of aircraft manufacture)

The flight shed area contains the aircraft that are being prepared for the flight and may be undergoing flight trails.
This area will focus on systems test and fault finding and diagnosis skills base.

Aircraft In-Service

These areas contain in service aircraft that we maintain and repair for the customer. This placement will focus on the modification, fault finding and diagnosis skills base.

Component Manufacturing Services (CMS)

Some of the key mechanical skills are practiced in this area; the work focuses on the build and manufacture of detailed assemblies (brackets, jigs, modification etc)

Field Service

Working as part of a contractor's working party/ training team based at an off-site location carrying out modification works or preparation for flight activity.

APPRENTICE RECRUITMENT

Craft Composites Apprenticeship

Hubert Zajaczkowski - Year 4

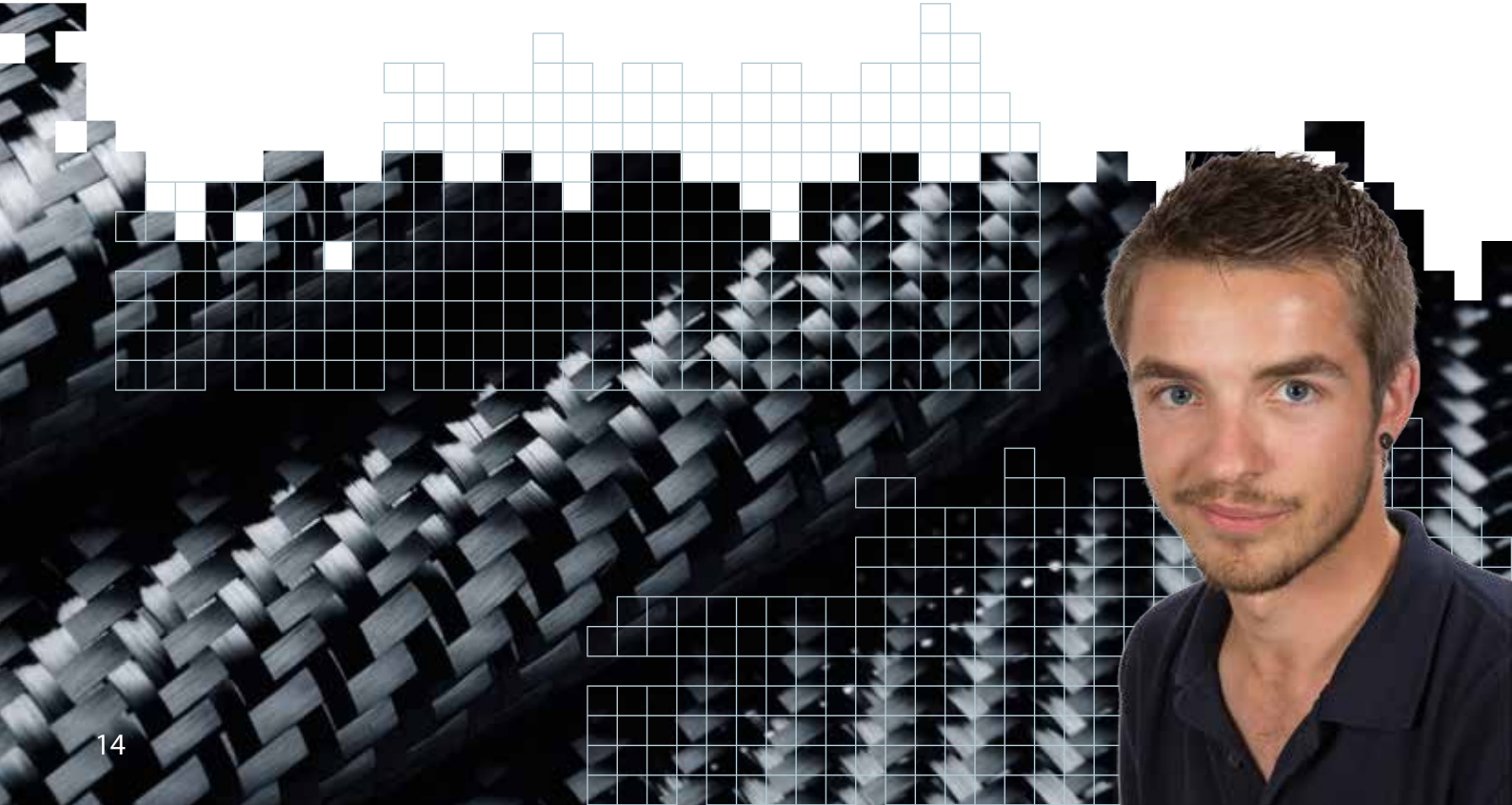
Being in my third year of the apprenticeship programme, I still enjoy it as if it was my first day. I work within the Dynamic Composite Components facility at Leonardo Helicopters and my current placement is the clean room.

At the same time as working on site, I am doing my BTEC and NVQ, I enjoy it a lot as it allows me to get qualifications as well as practical experience.

Working in DCC, has allowed me to get a better understanding of how a main rotor blade is built and how it works on a helicopter.

I chose the Composite Apprenticeship because I have always been interested in the composition of components and how things work.

I would recommend this apprenticeship to anyone as it is an interesting side of engineering. It can create so many possibilities for the future as more components are made from composite materials.



Craft Composites Apprentices will have placements in the following departments

Clean Room

The manufacture of the majority of the blade products is completed in this area (including the blade spar, which is the main structural component of the blade).

Non Destructive Test (NDT)

The testing of blades through the use of non-destructive test methods. (x-ray, ultrasound & ultrasonic)

Repairs

This is the area that deals with the in-service products, the blades come in from working aircraft that require maintenance or repair.

Blade & Tipping Shed

The static and dynamic balancing of the blades are checked in these areas.

APPRENTICE RECRUITMENT

Craft Transmission Machining Apprenticeship

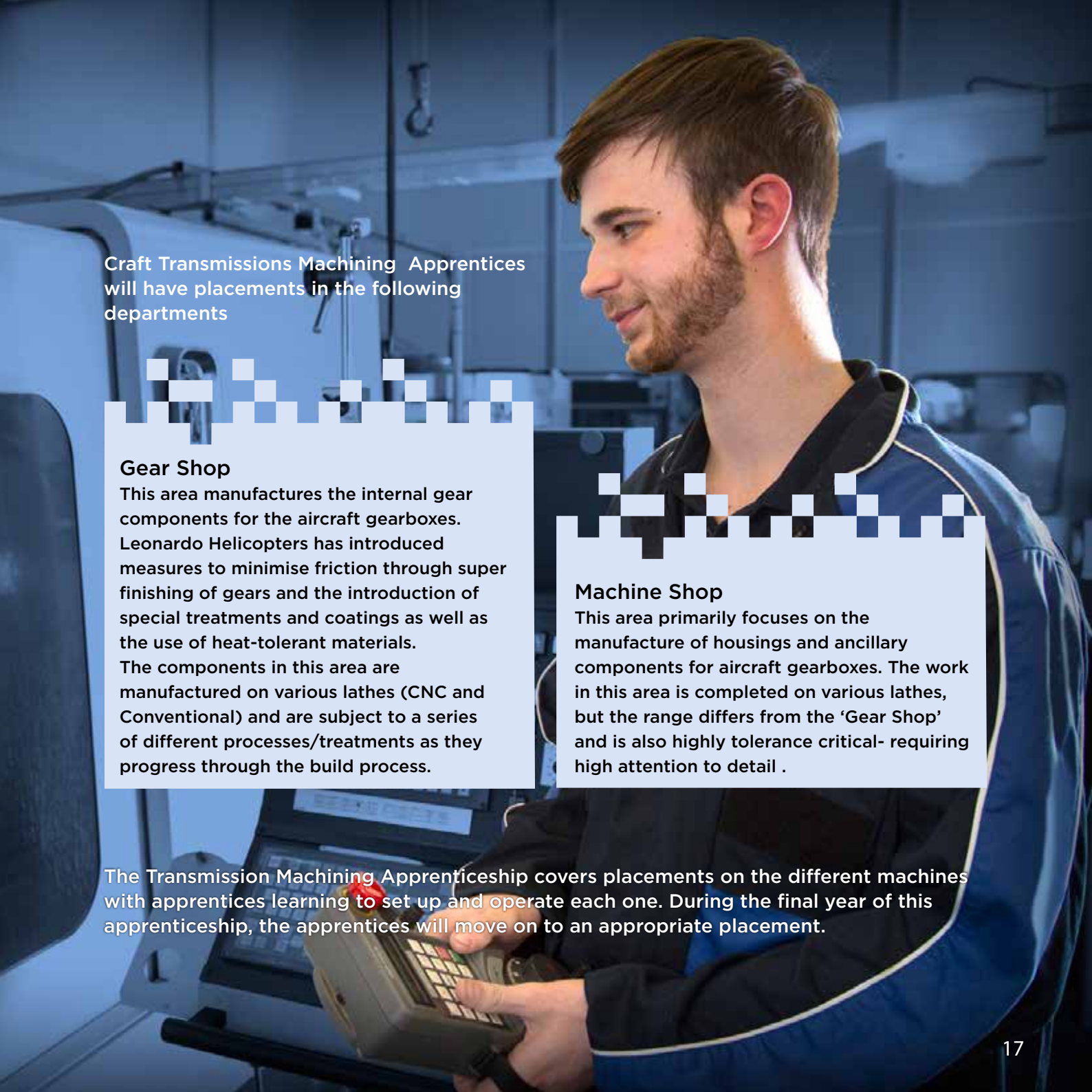
Ben Solly - Year 4

I have always had an interest in engineering from a young age and whilst completing my last year of GCSE's I was unsure of what to do next. Whilst I was not interested in studying A levels and going on to university, the excellent range of engineering apprenticeship opportunities Leonardo Helicopters were offering greatly appealed to me.

After completing the first year at College where I learned the basic essential practices. I found myself starting on-site where I was placed in the Transmissions Machine Shop. Here I have completed several placements which include; centre lathes, CNC turning/machining centres, grinding. All of which I have found interesting.

I am now moving into the 3rd year of my Apprenticeship and currently I am working in the assembly department of the machine shop which again I am finding enjoyable. My work colleagues are friendly, helpful and happy to share their knowledge and guide me along the way.

I would strongly recommend this apprenticeship to anyone who is practically minded.



Craft Transmissions Machining Apprentices will have placements in the following departments

Gear Shop

This area manufactures the internal gear components for the aircraft gearboxes. Leonardo Helicopters has introduced measures to minimise friction through super finishing of gears and the introduction of special treatments and coatings as well as the use of heat-tolerant materials.
The components in this area are manufactured on various lathes (CNC and Conventional) and are subject to a series of different processes/treatments as they progress through the build process.

Machine Shop

This area primarily focuses on the manufacture of housings and ancillary components for aircraft gearboxes. The work in this area is completed on various lathes, but the range differs from the 'Gear Shop' and is also highly tolerance critical- requiring high attention to detail .

The Transmission Machining Apprenticeship covers placements on the different machines with apprentices learning to set up and operate each one. During the final year of this apprenticeship, the apprentices will move on to an appropriate placement.

Corporate Social Responsibility

AWASA is AgustaWestland's Apprentice and Student Association. Each year the Association is run by a committee of Trainees; this committee coordinates social, charity fundraising, community projects and sporting events.

Social

AWASA provides our Apprentices with the opportunity to be part of the strong trainee community that is available on site.

The committee each year organises events, to encourage the social interaction amongst all trainees.

The main events have included:

- Curry Night
- Italian Night
- Mexican Night
- Theme Park Trip
- BBQ
- Camping & Coasteering
- AWASA Dinner (Charity and Social Event)

Charity Work

Last year, during our centenary year, AWASA raised in excess of £60,000 for local and national charities.

AWASA raise money by running various events. These events have included:

- AWASA Charity Walk
- AWASA Auction
- AWASA Beer and Cider Festival
- AWASA Dinner
- Gate Collections and Cake Runs
- Guided Site Tours
- A Christmas and Easter alcohol raffle

Community Work

AWASA endeavours to get involved in the local community. Leonardo Helicopters works closely with local schools to engage students in STEM subjects (science, technology, engineering and maths), promoting the company through a variety of activities.

Each year the committee endeavour to give back to the local community in some way and welcomes ideas for these projects from Apprentices.

Sports

Each year AWASA encourage Apprentice vs Managers sports such as football, golf and rugby.

Alongside the Apprentice vs Manager games AWASA also arranges sporting events such as:

- Paintballing
- AWADP v AWASA Rounders
- Go-Karting
- 5-A-Side Football

"The apprenticeship scheme is more than just a job and an education. AWASA, offers plenty of opportunities to socialise with the other apprentices, and regularly organises events such as group meals, and day trips such as paintballing and go-karting. The AWASA committee also plays a big part in fund-raising for chosen charities, and running "Imagineering" schemes aimed at getting young people involved and interested in engineering."

Tom MacKenzie – Technician Apprentice

APPRENTICE RECRUITMENT

Induction and Team Building

Successful candidates will commence employment with a week of inductions followed by a week of team building. You will not merely get to know your fellow apprentices, you will complete practical indoor and outdoor tasks to develop your ability to work as part of a successful a team, to improve your communication skills and increasing your self confidence. We aim to maximise your potential from the very start and equip you with the skills necessary to be successful in your apprenticeship and career at Leonardo Helicopters

For more information, watch the apprentice training video at: http://leadership.outposts.co.uk/

Contact Details and How to Apply

GET IN TOUCH

For further information please visit the Frequently Asked Question section of our website. If this does not answer your question, please contact the Trainee Resourcing Team in Yeovil on +44(0)1935 702897.

Application forms and security criteria can be found at: www.uk.leonardocompany.com/people-careers

APPLICATION

- Visit the company website and select the programme that best suits you.
- Fill in the online application form, stating your top 2 areas of interest within the programme you have chosen
- Submit your application as soon as it is complete. Candidate reviews will begin in December and continue until all roles have been filled. We will cease advertising a role once all available positions have been filled
- Dependant on fulfilment of the requirements, the process can take until August to complete

SCREENING

- Your application form will be reviewed against a set of criteria
- You will receive an email advising you of the outcome

ASSESSMENT

- After being identified as a suitable candidate at the screening stage, you will receive an email inviting you to attend a testing session where you will complete a numerical, verbal and technical aptitude test.
- If you impress us at the testing stage, you will receive an email inviting you to an assessment centre where you will complete a series of challenging group and individual activities.
- Please note that as a successful candidate you may be required to attend a team building week. This is likely to take place in the last week of August or first week in September. Please keek these weeks free as it will form a mandatory part of your apprenticeship.

PROGRAMME

- Once you accept, we will do everything we can to make joining us as straightforward as possible
- We will put you in touch with your Employee Development Officer who will answer any questions you may have
- If you are relocating, we will put you in touch with other successful candidates so you can share housing arrangements

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