



Where will
the world of
SURVEYING
take YOU?

rics.org/changinghorizons




WHAT IS A SURVEYOR?

Surveyors design, build, value and manage everything you see.

Choosing a career as a surveyor opens up a **world of opportunities**. You can take your pick from a number of different paths, each as exciting and unique as the next.

Surveyors can use the **latest technology**, from aerial laser scanning and digital mapping to 3D printing, smart sensors and artificial intelligence.

You can work in the main areas of **land, construction & infrastructure** and **property**.



If you've ever played Minecraft or flown a drone, you're already starting to think like a surveyor.



Surveying covers everything outside your window. From city skyscrapers to sporting stadiums, forests to festival sites, shopping centres to the homes we live in.

WHY SURVEYING?

NOT YOUR ORDINARY
9-5 DESK JOB



MAKE A DIFFERENCE



ENJOY LIFE OUTSIDE WORK



EARN A GOOD SALARY



£60,000 average salary of a Chartered Surveyor

TRAVEL THE WORLD

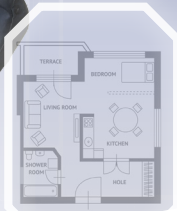
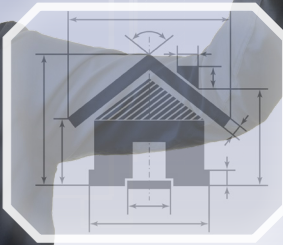
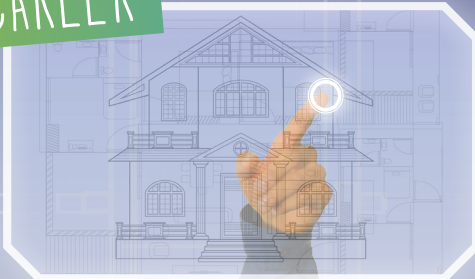


GREAT CAREER PROSPECTS

"Surveying is an exciting mix of commercial activity and social interaction. It's perfect for anyone looking for a well-rounded career."
Sahar Rezazadeh - Chartered Surveyor



A STATE-OF-THE-ART CAREER



Use technology every day

Surveying may be an established profession, but **constant innovation** means new technology is changing the face of the industry.

From drones to lasers, 3D printers to virtual reality – the world of surveying is embracing technology and **doing things differently** from before.

By becoming a surveyor, you'll get the opportunity to use **state-of-the-art technology**.

MOBILE MAPPING:
Using specialist drones, ground penetrating radar and laser scanners – surveyors can map anything, anywhere in the world.

ARTIFICIAL INTELLIGENCE:
Smart computers that learn through experience. Imagine machines that can help surveyors design, or driverless cars that can gather data from dangerous places.

TECHNOLOGY YOU COULD GET YOUR HANDS ON

3D MODELLING:
Surveyors use augmented reality and other technology to make interactive 3D models of buildings, with all the information required for construction and management. Like Minecraft, but with the instructions to build a skyscraper.

FIND YOUR FUTURE IN SURVEYING:
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WHERE WILL THE WORLD OF SURVEYING TAKE YOU?



3D print the office of the future

Totalling 2,700 square feet, and made of a special mix of concrete, fibre-reinforced plastic, glass and gypsum, the world's first 3D printed office in Dubai **took only 17 days to be printed.**

The printer was two storeys tall, 120-feet long and 40-feet wide, but only needed one member of staff to man it at a time. Meaning the total **cost of building this office was half of what it would normally be!**

3D printing brings in a new era of surveying – reducing time, costs, and changing the face of building design. **Be a part of it!**

VIRTUAL REALITY:
Presenting an alternative reality to people. Imagine taking a property tour or inspecting a construction site from your own home on the other side of the country.

THE INTERNET OF THINGS:
Connecting objects together so they can transfer data and information without any human interaction. Think wind turbines telling each other which way the wind is blowing.

SMART CITIES:
Using data and technology to monitor and manage what's happening in a city to give people the best quality of life.

TECHNOLOGY YOU COULD GET YOUR HANDS ON



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SURVEY THE LAND

Surveyors in the land sector **map, develop and manage the land** on which we work and play.

If you want to **measure the shape of land and gather data** for use in a whole range of different industries, from film to architecture, archaeology and IT, then land surveying could be for you.

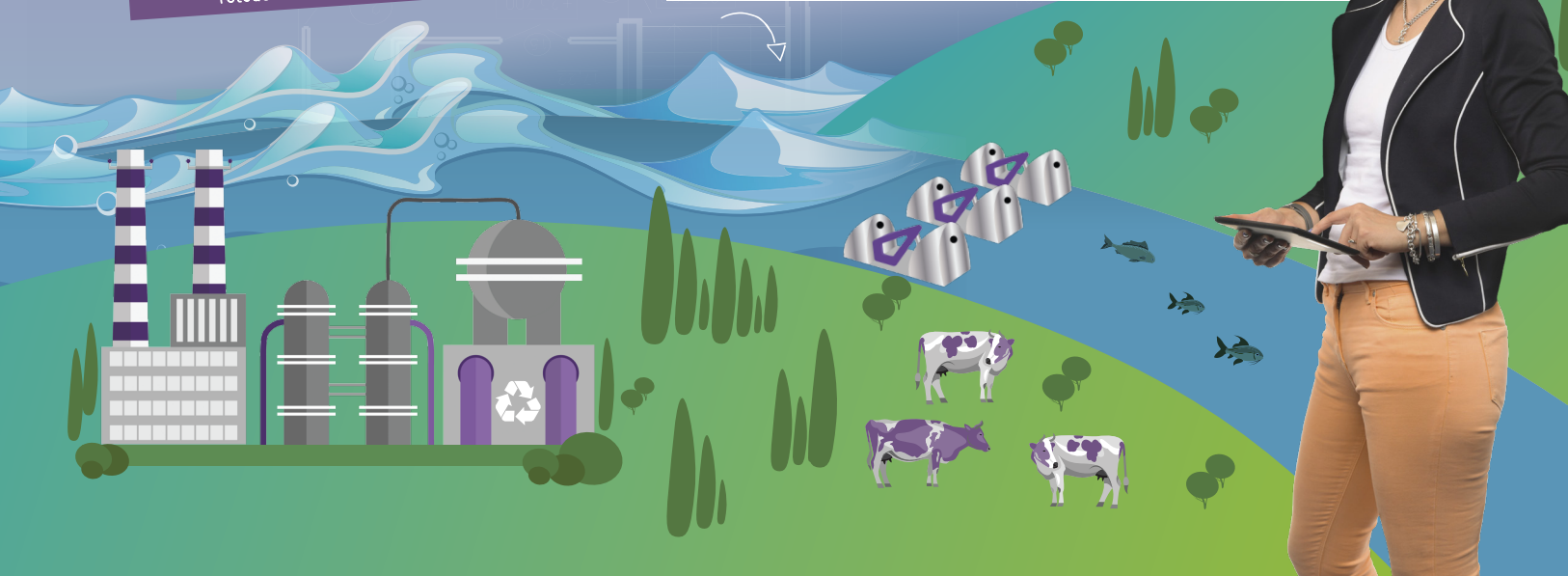
Becoming a surveyor who specialises in land means **working indoors and outdoors**, in diverse locations across the globe. You'll also have access to **innovative technology** for mapping, including 3D printing and **drones**, becoming an expert in things other people have only heard about.

The world needs more surveyors, so you'll have a world of opportunities to choose from, and with work of this importance, the salaries are pretty good too.

WORKING WITH WATER

Chartered Surveyors are involved in creating flood defences that fit in with the environment.

On the National Trust's Holnicote Estate, Chartered Surveyors helped to change the landscape of flood-prone fields above Exmoor village to hold back excess water flow so that it is released more naturally into the river systems.



Surveying story

PLAY A STARRING ROLE

From *Harry Potter* to *James Bond* and even *X-Men*, as a surveyor you could work in the film industry.

Digital mapping is used throughout movie making and gaming design. You could create 3D models that help set designers and special effects teams to tailor-make their filming locations.

A surveyor was involved in creating Captain America's trademark shield for the Marvel films. For a picture perfect image they used a high definition scanner to get the best possible resolution.

Your work could contribute to box-office hits, and play a part in something that will last forever on film.



CAN A MOUNTAIN GROW?
Den Mevis didn't grow in 2016 - but it did get taller
Thanks to new technology being used by Chartered Surveyors, Den Mevis was re-measured with greater accuracy since it was last surveyed in 1999, and is now a metre taller.



FARMING FOR THE FUTURE

Rural Surveyors are working with drones and other new technologies to develop precision farming techniques that not only aid food production, but help to protect the land and environment we use.



LAND YOUR PERFECT CAREER

As a surveyor, the opportunities are endless

Do you have a passion for the environment, enjoy using technology and exploring?

Survey the land

Land Surveyors **map, develop and manage the land** on which we live, work and play.

As a Chartered Surveyor, you could **land a career** as a:

Geomatics Surveyor – Map, analyse and interpret data about the land, sea and buildings.

Environmental Surveyor – Manage the development and use of land to assess the impact on the environment.

Minerals and Waste Management Surveyor – Extract, use and manage resources and dispose of related waste.

Rural Surveyor – Value, advise and manage the use of land and buildings in the countryside to ensure the best use of them.

Planning and Development Surveyor – Advise on the communities, towns and cities of the future, providing expert information about investment opportunities.

DISCOVER THE SURVEYOR YOU COULD BE:
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WHERE WILL
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fly office for the day

ANTARCTIC RESEARCH STATION

Keep it cool

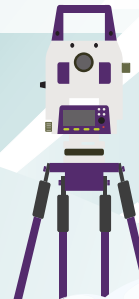
Being a surveyor doesn't mean day after day at a desk.

As a **Geomatics Surveyor**, you could find yourself in extreme conditions in the Antarctic, tackling plummeting temperatures while **using the latest technology**.

In order to build research stations on the ice, surveyors use **3D laser scanning technology** to map and **build 3D models** for development.

Surveying on ice is unlike anything else – five research stations in the Antarctic have been abandoned due to cracks in the ice. A new research station needs to be in the best possible location, taking into account surface conditions, prevailing wind directions and travel routes of the scientists manning the station.

In this climate, you won't be surveying every day, so **you need to be flexible and ready for action** whenever the weather plays ball.



CONSTRUCTION & INFRASTRUCTURE

Surveyors in construction & infrastructure manage the creation of new buildings and structures.

Making the all-important decisions of **what goes where and why**, surveyors are involved in planning the construction of everything from skyscrapers to shopping centres and festivals to football stadiums.

The infrastructure behind the foundations of **modern life relies on surveyors** too: they map the roads, bridges, buildings and railways that we need to keep us connected.

As a surveyor, you'll **value, supervise and manage** the construction – taking control of projects and working alongside others.

BRING A CITY TO LIFE

Chartered Building Surveyors concentrate on creating unique buildings one at a time - making a beautiful inner city landscape. They are at the heart of 'Liverpool Vision' - creating a global city for both businesses and visitors.

DESIGN BUILDINGS FOR SOUND

Chartered Surveyors work with architects to plan the shape of music venues to create the best possible acoustics for fans.

The Sage Gateshead has a unique curved roof containing over 3,000 stainless steel panels and 250 glass panels.



Surveying story

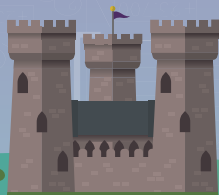
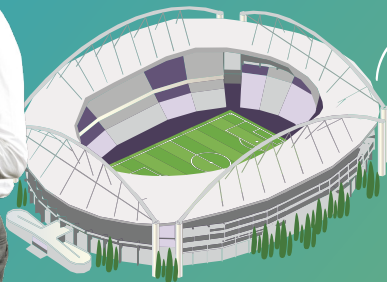
RESTORING A CASTLE

After sitting unused for 40 years, surveyors brought Lews Castle in Scotland back to life.

The grand reception spaces were restored to their former glory, and a new glazed roof over the inner courtyard was built to connect the castle and the museum. All due care was given by surveyors to use antique materials, to protect the historic decoration and keep as much of the original building as possible.

The result is a sustainable site, built for both locals and visitors. It celebrates 19th-century decoration, and blends this with high-quality modern architecture to enhance the significance of the building. This in turn creates a commercial benefit for the island.

As a surveyor, you can simultaneously be involved in the past and present, and protect history.



FIT FOR THE PREMIER LEAGUE

Tottenham Hotspur's new stadium will be an impressive multi-functional stadium. In this project, a surveyor has taken on the role of head of Building Control - overseeing safety issues and the build.

The redesign is increasing capacity from 36,200 to 61,000 fans, and features a retractable pitch, so the stadium can host American football games and concerts - regenerating the entire North Tottenham area.





CONSTRUCT YOUR CAREER

As a surveyor, the opportunities are endless

Are you analytical, organised and enjoy talking to people?

Choose construction

As a surveyor in construction & infrastructure, you **create and manage the buildings and structures** we rely on every day.

As a Chartered Surveyor, you could **build your career** as a:

Building Surveyor – Build, supervise or restore structures, from city office blocks and skyscrapers to home extensions.

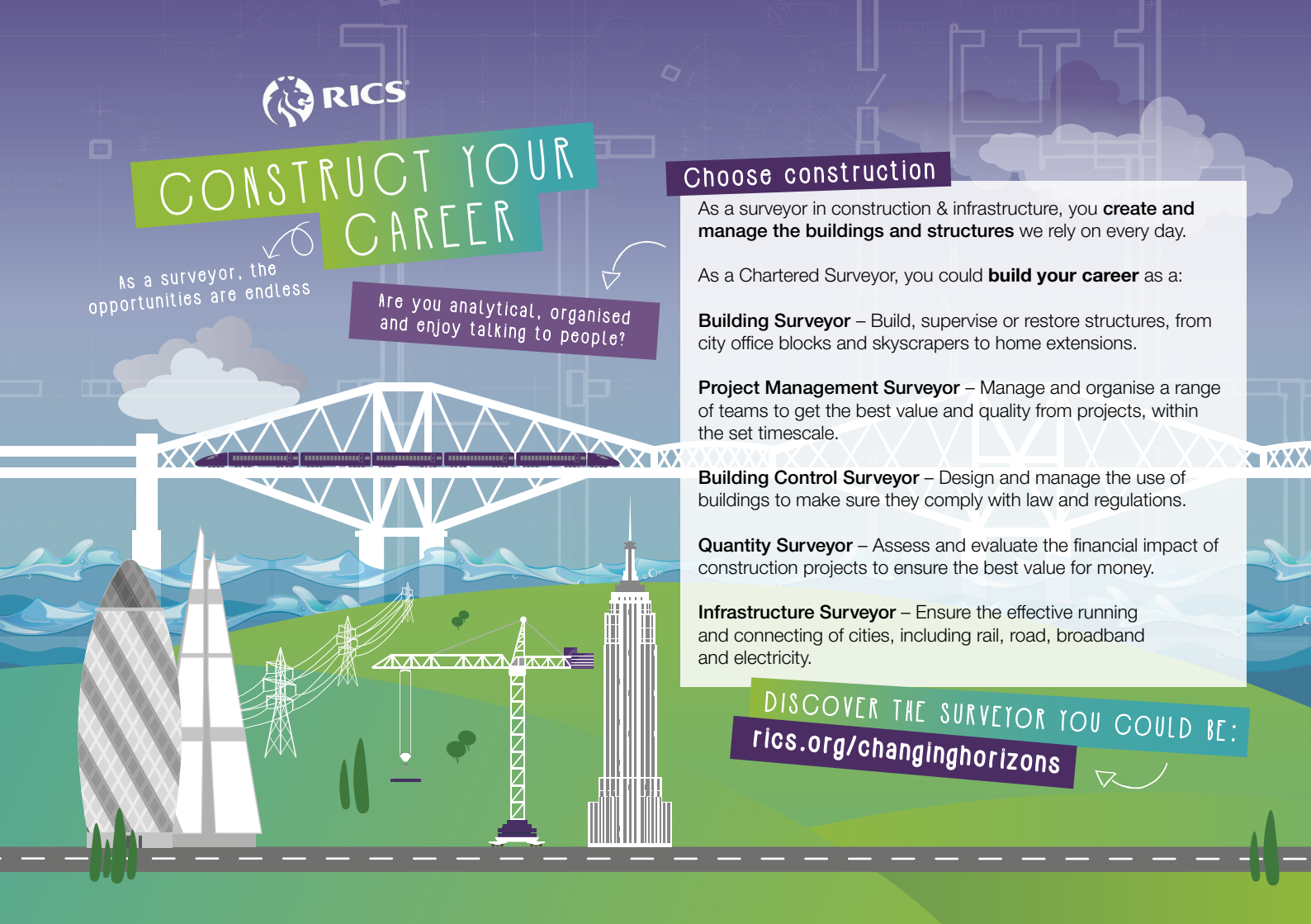
Project Management Surveyor – Manage and organise a range of teams to get the best value and quality from projects, within the set timescale.

Building Control Surveyor – Design and manage the use of buildings to make sure they comply with law and regulations.

Quantity Surveyor – Assess and evaluate the financial impact of construction projects to ensure the best value for money.

Infrastructure Surveyor – Ensure the effective running and connecting of cities, including rail, road, broadband and electricity.

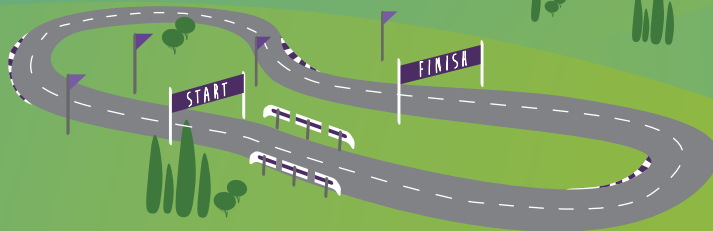
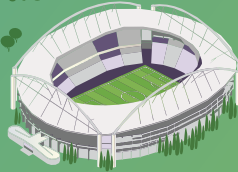
DISCOVER THE SURVEYOR YOU COULD BE:
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WHERE WILL
THE WORLD OF
SURVEYING TAKE YOU?



Just another typical day
as a surveyor



Surveying with speed

As a **Project Management Surveyor**, you could be directing the redevelopment and construction of leisure facilities – creating buildings that bring delight to their users. From **stadiums to famous racetracks**, the variety of work is huge.

Working in the design department of a company like the International Speedway Corporation, a surveyor leads a team of architects, designers and builders. When it comes to redeveloping an iconic motorsport stadium like the famous Daytona racetrack, the surveyor's role is to keep the project on track and as efficient as possible.

You'll need to apply analytical thinking on a daily basis, and use communication skills to get the most out of your team. A career in surveying will give you a **well-rounded skill set**, as well as the chance to work with other experts.

PROPERTY

When we talk about property, we don't just mean a home. Property Surveyors work in **commercial property** – any office or building a business uses, **residential property** – any house or place where someone lives, and **personal property** – any object a person or business owns.

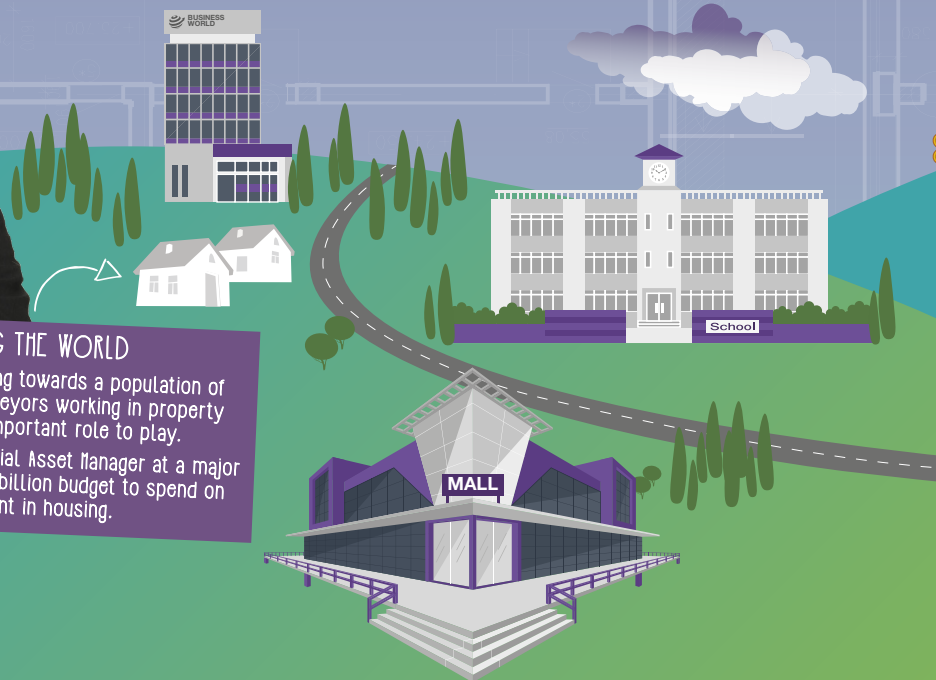
Property surveyors are **involved in every aspect** of these properties, from **purchase to development, valuation, sale and management**.

With such a wide range of activity and property around the world, the work of Chartered Surveyors in property is very diverse.

HOUSING THE WORLD

With the world heading towards a population of 9 billion people, surveyors working in property have a hugely important role to play.

For example, a Residential Asset Manager at a major organisation has a £7 billion budget to spend on investment in housing.



IN ACTION AT AUCTION

Have you ever watched *Homes Under the Hammer* or *Flog It?* Then chances are you've seen the work of a Chartered Surveyor.

Whether it is a family home, an industrial warehouse, or arts and antiques, a Chartered Surveyor will be involved in the valuation, sale and purchase of the property at an auction...and even the auctioneer may be a Chartered Surveyor.

Some of the most expensive lots involving Chartered Surveyors have sold for £9 million, and other lots have included a housing estate built as a TV film set and a car built in the 1940s that was powered by pedals!

An auctioneer's and a Chartered Surveyor's goal is simple – research and understand demand to accurately value property and make the best possible investment.

SAILING TO SUCCESS

As a Chartered Surveyor in property, you can work on commercial buildings for big companies and could even end up playing your part in bringing home a major sporting trophy. Chartered Surveyors helped create and manage the £15 million HQ for the Land Rover Ben Ainslie Racing team to compete for Britain in the America's Cup, the oldest sailing competition in the world.



PROTECTING FIGHTER JETS

Surveyors working on the Ministry of Defence estate in Scotland have re-shaped and refurbished all the property on the site, from fighter jet hangars to family homes, to make it more efficient and fit for purpose.





SOLD
ON A CAREER IN
PROPERTY

As a surveyor, the
opportunities are endless

Are you good with
numbers and people?
Do you want to
spend time in and out
of the office?



Buy into property

Property Surveyors work in three main areas: commercial, residential and personal property. This includes all the buildings we live and work in and the valuables people own.

As a Chartered Surveyor, **plot your career in property** as a:

Residential Property Surveyor – Survey, sell, let and manage all types of residential property.

Valuation Surveyor – Analyse and measure all types of property to determine their value. This can be buildings or business assets. For example, how much is Apple really worth?

Management Consultancy Surveyor – Maximise growth and improve performance of businesses by managing their operations, strategies and structures.

Facilities Management Surveyor – Support a business strategy and add value to its property by creating vibrant and productive workplaces.

Commercial Property Surveyor – Buy, sell and manage premises and their leasing on behalf of organisations.

Arts and Antiques Surveyor – Advise on the value of personal property, and manage their purchase and sale.

DISCOVER THE SURVEYOR YOU COULD BE:
[rics.org/changinghorizons](https://www.rics.org/changinghorizons)

WHERE WILL
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SURVEYING TAKE YOU?



property
NEEDS YOU

A property platform that talks to the next generation of property talent.

propertyneedsyou.com



Specialise in shopping

As a **Commercial Property Surveyor**, you could specialise in a particular area, including retail.

Working in the retail industry means **reacting to trends** and playing an important role in bringing brands to life by building the right retail environment for shoppers.

For example, fashion label Kit & Ace needed the perfect spot for their business. A specialist in retail property managed to acquire a sought-after location for their first European store in Shoreditch, London. Following this success, they then opened their first West End store in the retail haven that is Covent Garden.

Thanks to detailed studies of different areas for your role, you'll have **expert knowledge** that will make you a social guru, knowing all the best places to hang out at the weekend!

WHY RICS?

As a global standard setter, RICS (Royal Institution of Chartered Surveyors) is the most sought after professional qualification in **land, construction & infrastructure** and **property**.

If you want to make it in surveying, you'll need RICS by your side.

SUBJECTS FOR SURVEYING

Surveying is so diverse you could take any subject, but if you like any of these, then surveying could be the perfect career for you.

IT 

MATHS 

LANGUAGES 

PHYSICS 

ENGLISH 

GEOGRAPHY 

DESIGN & TECHNOLOGY 

BUSINESS STUDIES 



HOW DO I BECOME A CHARTERED SURVEYOR?

"An apprenticeship suits me because I wanted to combine practical experience with the opportunity to learn, earn and end up with qualifications."
Laura Pell - Property Apprentice

"I did an RICS accredited degree because I knew it would result in opportunities - and it has."
Sahar Rezaeideh - Chartered Surveyor

Because we're all different, and we welcome surveyors from every walk of life, there's **MORE THAN ONE WAY INTO** the world of **SURVEYING**.

GET AN APPRENTICESHIP

A professional RICS apprenticeship could be for you if you enjoy learning on the job, are good at managing your time and want to get paid a salary from day one.

You can choose from a wide range of apprenticeships which give you an RICS qualification, including degree apprenticeships that lead straight to you becoming a fully qualified Chartered Surveyor.

Find out more: [rics.org/apprenticeships](https://www.rics.org/apprenticeships)

GO TO UNIVERSITY

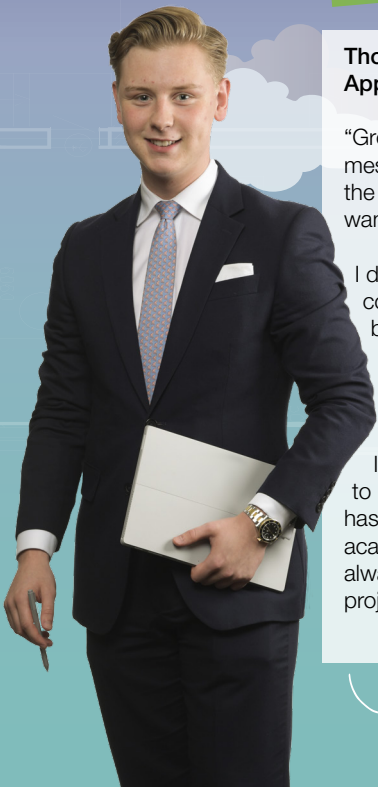
If you enjoy studying, the university lifestyle appeals to you and you want a degree into a profession, then an RICS accredited degree could be for you. Once you've completed your undergraduate or master's degree, you can apply for a graduate scheme to become a fully qualified Chartered Surveyor.

Search RICS degrees: [rics.org/courses](https://www.rics.org/courses)

Search graduate jobs: [rics.org/recruit](https://www.rics.org/recruit)



EARN AND LEARN IN AN APPRENTICESHIP



Thomas Stevens – Property Surveying Apprentice, CBRE

“Growing up in London, I was always mesmerised by the forever-evolving skyline and the beautiful architecture around me. I knew I wanted to work in property from a young age.

I decided to apply for an apprenticeship so I could start my career at the age of 16 and become a Chartered Surveyor by the age of 21. I’ve always been more of a practical learner as well, so I knew this hands-on route would suit my skill set.

I was over the moon when I was chosen to be an apprentice. My apprenticeship has opened doors to opportunities that an academic route may not have. My knowledge is always growing and I contribute to important projects on a daily basis.”

“My apprenticeship has opened doors and opportunities that an academic route may not have.”

Apply for an apprenticeship

Through a professional RICS apprenticeship, you can become a **qualified surveyor** in land, construction & infrastructure and property.

The advantages for you:

- ✓ Earn a salary while you study
- ✓ Learn on the job, out of the classroom
- ✓ No student loans and no tuition fees – so no debt!
- ✓ Gain an industry-recognised qualification that is in global demand
- ✓ Open the door to a diverse and exciting range of careers

Louise Verney – Quantity Surveying Apprentice, Balfour Beatty

“People should consider an apprentice route – it’s an exciting path that prepares you for a successful career.

Within four months of working, I was managing subcontractors, making payment assessments and forecasting remaining works. You can’t get this level of responsibility and hands-on learning through education alone – I think a combination is a great way to learn.

I hope to encourage more women to study and build careers in surveying. It’s extremely fulfilling, with exciting projects and endless opportunities at your fingertips.”



DISCOVER THE SURVEYOR YOU COULD BE:

[rics.org/apprenticeships](https://www.rics.org/apprenticeships)

Apprenticeship routes into surveying*

If you decide an apprenticeship is the route for you, there are lots of options – **it's all about finding the right track.**

You can start your apprenticeship journey with GCSEs, A Levels or equivalent. Then by **working and studying** at the same time, you will progress to becoming an **RICS qualified surveyor.**

GCSEs, Nationals
or equivalent



Study at college
or Sixth Form



A Levels, Highers
or equivalent



Ticket to ride

Apply for a
diploma apprenticeship
with an employer

2 years*

Study Work RICS qualification

Associate Surveyor (AssocRICS)
+ surveying diploma



full-time
work

Start next
apprenticeship

Ticket to ride

Apply for a
degree apprenticeship
with an employer

5 years*

Study Work RICS qualification

Chartered Surveyor (MRICS)
+ BSc degree



Further your career working as an
RICS qualified surveyor

FIND THE APPRENTICESHIP
ROUTE FOR YOU:

[rics.org/apprenticeships](https://www.rics.org/apprenticeships)

*There are different apprenticeships that lead to RICS qualification. This diagram demonstrates typical apprenticeship routes.



UNIVERSITY ROUTES INTO SURVEYING

Quality as
a Chartered
Surveyor (MRICS)

A degree for you

An RICS accredited degree gives you a clear route to reach the top of your career – **the sky's the limit!**

Once you have A Levels (or equivalent), make sure you choose an undergraduate degree which is RICS accredited. **Placements** and **guest lectures** from industry leaders can give you **valuable exposure** to the world of surveying as you learn.

With **over 50 partner universities** and **350 RICS accredited degrees** across land, construction & infrastructure, and property – you're sure to find the perfect one for you.

SEARCH RICS DEGREES:
[rics.org/courses](https://www.rics.org/courses)



*There are many different RICS accredited degrees which lead to RICS qualification. This diagram demonstrates a typical full-time university route.

A DEGREE INTO A PROFESSION

GRADUATION



"I knew an RICS degree would result in opportunities."



Sahar Rezazadeh MRICS **Senior Commercial Surveyor, CBRE**

"I studied a degree in Real Estate Management because it was RICS accredited and I therefore knew it would result in opportunities."

Specialising in Retail and Leisure means working with a mixture of occupiers, from local independents to high-end luxury brands.

I would definitely recommend a career in surveying. It's an exciting mix of commercial activity and social interaction and the best of both worlds, in and out of the office. One day I'm delivering a client's valuation figures, and the next I'll be at a football ground. I love exploring new locations."

Richard Owen MRICS **Quantity Surveyor, Fox Lloyd Jones Ltd**

"After graduating with a Business Management degree, I embarked on a Quantity Surveying master's conversion degree accredited by RICS. I also took a graduate position at a London-based surveying firm."

As a Chartered Surveyor, I act as a consultant on the costing and budgeting for new building projects. My role needs all sorts of skills, from finance and project management, to communication and teamwork, to get the building from the page to being physically built.

The opportunities in this industry are endless."





Explore your future as a surveying professional

Download our
'World of Surveying'
interactive 3D app



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