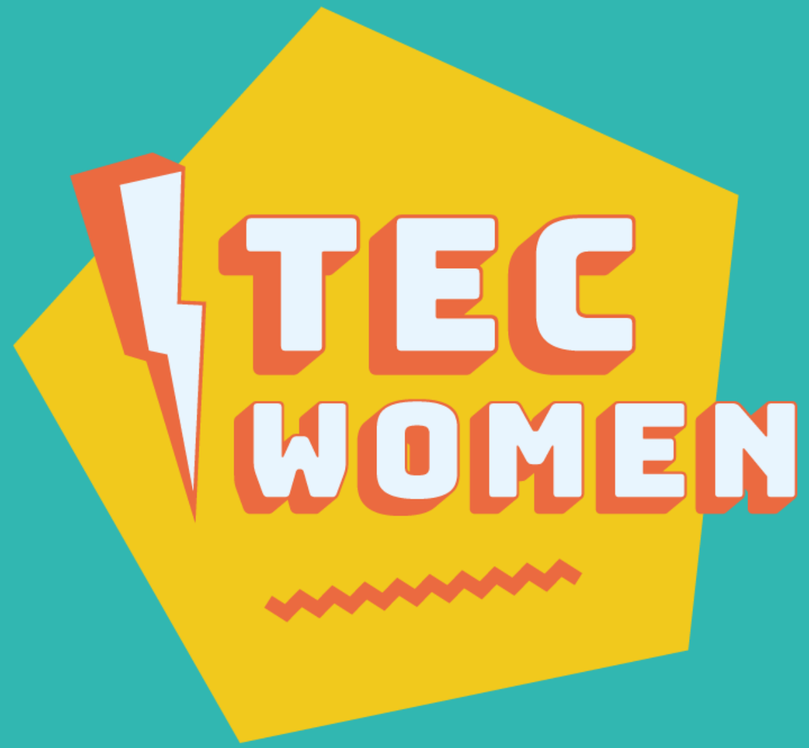






2023 Impact Report

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TECwomen CIC exists to ignite a passion for technology, engineering and creativity for women and girls

These are areas where women are currently under represented in the workplace and in education. Our projects seek to understand the problem on a local level and look at ways to intervene with both supportive and system level solutions.

Reflections on 2023



For 2023, we set ourselves the goal of expanding our audience reach beyond younger girls and to develop new programmes to help improve inclusivity in the Cornish TEC scene.

It's been a busy year of experimentation, learning and continuous improvement and we are so proud of the impact we have achieved during 2023 as we have moved into working more closely with secondary school age girls and with women looking to join the tech sector.

Of the many new programmes we launched in 2023, the one that we are most proud of is the digitalUPLIFT programme launched in partnership with Truro & Penwith College. We knew that women were interested in finding out more about the opportunities within the tech sector and we knew that if we designed a programme for them; removing all the potential barriers that we could think of, that they would come. And they did! When the programme launched, we were blown away by the response and we had to close sign-ups for the first cohort and promise to run a second one!

The digitalUPLIFT programme has been a success on so many levels. There is the obvious impact of raising the skills and confidence of over 60 women and supporting 8 women into tech jobs, but we've also grown our TECwomen network and expanded our partnerships with local, inspirational employers, who share the TECwomen values. It was the icing on the cake to have received external recognition for the programme in November by us winning the Tech South-West 'Commitment to Talent' award.

As with all our programmes, this would not have been possible without the generous support from our sponsors and we are so appreciative of their support to make this programme happen.

This report has been produced to share the impact that we've had this year and celebrate all that has been achieved and recognise our sponsors. It details our 2023 projects under the TECgirls, TECwomen and digitalUPLIFT brands and demonstrates the impact and legacy they have achieved.

As we look ahead to 2024, it won't surprise you that we still have a bigger ambition beyond what we currently have funding to deliver!

If you are inspired by what you read and would like to help us deliver on our mission, I would love to hear from you.

Caitlin

Caitlin Gould
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2023 IN NUMBERS

KIDS ENGAGED: 2,600

GIRLS ENGAGED: 1,600

SCHOOLS ENGAGED: 60+

TECWOMEN NETWORK: 80+

2023 DIGITALUPLIFT PARTICIPANTS: 61

TECgirls LIVE Community Outreach



3 workshops delivered to 51 Brownies, Guides and Rangers as part of the Girl Guiding Thinking Day in February.



2 new activities launched to ~200 children and their carers at the Truro Children's Day in July.



At Penzance Pride in July we ran our 'code your friend' game and we asked 'What does inclusive tech mean to you?



We partnered with Royal Cornwall Museum to run our popular Stop-Motion Animation workshop during Oct half term - attracting over 400 visitors

Thank you to our headline sponsor for making this possible:

WATSON MARLOW Fluid Technology Solutions

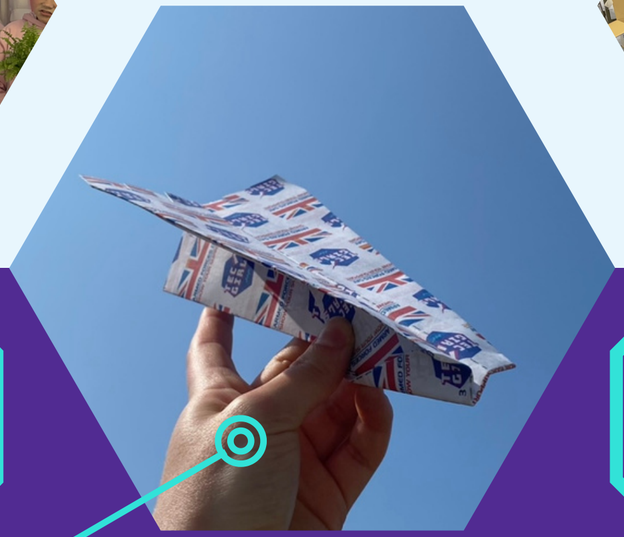
Spirax-Sarco Engineering plc

TECgirls LIVE KS2 (Primary School)



Delivering the STEMvironment eco-sensor project to 5 schools and inspiring 150 children to code and invent.

Full report available at tecgirls.co.uk



Running 3 activities at the STEM village for schools as part of Armed Forces day where 750 children engaged.



Coaching 2 First Lego League teams and running activities to inspire 400 young people at the regional tournament.



Continuing to deliver the ever-popular Plant Pioneers workshop to schools across Cornwall, showcasing careers in Agri-Tech.

Thank you to our sponsors, making this possible:

WATSON MARLOW Fluid Technology Solutions

Spirax-Sarco Engineering plc

CORNWALL COUNCIL one and all · unwn hag oll | Education Business Partnership

IET The Institution of Engineering and Technology

TECgirls LIVE Year 8 Girls



TECgirls Green Futures Jam

Supporting 75 Year 8 girls from across Cornwall to design an app in a day to solve a real world challenge set by DEFRA.

Thank you to our sponsors, making this possible:

servicenow

Department for Environment Food & Rural Affairs

WATSON MARLOW Fluid Technology Solutions



Maritime UK Roadshow for Girls

Supporting 25 Year 8 girls to build and programme an autonomous dockside robot to complete a challenge.

Thank you to our sponsors, making this possible:

Maritime UK

CORNWALL marine NETWORK

TECgirls Green Futures Jam: Feedback

"The TECgirls Green Future Jam promised to be an exciting and engaging experience for year 8 girls to show them how technology, engineering and coding/apps specifically can be used to make the world a better place, and it did not disappoint! The TECgirls Green Future event, hosted at The Eden Project, was for year 8 girls from schools across Cornwall, over one hundred girls in total. It was a very exciting day with lots planned for the students to take part in.

Although neither of Helston teams' pitches won the each of the girls took part in every element of the day with 100% effort. They demonstrated exceptional teamwork, innovation and communication. The girls left the event full of confidence and in high spirits. They continued to speak about the day to their friends in school over the next month or so. All of their computing teachers noted how much more confident they were in class when tackling tasks and answering questions.

At least seven out of the ten girls are seriously considering GCSE Computer Science when they make their option choices later this term; in addition to the twenty-two of their peers. As I also head up Engineering as part of the Technology & Enterprise Faculty the girls have embraced all aspects of design technology with renewed enthusiasm. I wish I could provide this experience for all the girls in Y8 it had such an impact on them and their immediate friendship groups."

- Mrs. Laura Hocking,
Helston Community College, Head of Technology and Enterprise Faculty



TECGIRLS GREEN FUTURES JAM

digitalUPLIFT launch

The digitalUPLIFT programme is a proven 8-week skills development programme designed for women, to showcase the opportunities within Cornwall's tech/digital sector and support women into tech/digital jobs or onto a training pathway towards one.

It's more than a course as participants are also connected with local tech employers, industry mentors and the TECwomen community. Key successes for the first two cohorts in 2023 include:

- **61 women completing the programme in 2023**
- **Supported by 40 industry mentors**
- **8 participants moved into tech jobs/organisations on completion**
- **Supported by 15 local organisations providing in-person workshops, mentoring, networking and some providing financial support**

Thank you to our sponsors, making this possible:

Truro College, Penwith College, Cornwall Community Foundation, rowe, King's Service Centre, Cornwall Council, Watson Marlow Fluid Technology Solutions, wildanet, BUZZ, European Union European Regional Development Fund, People Hub Cornwall & Isles of Scilly



TECwomen CONNECT

"We know they're out there, but where do you meet fellow women in tech?"
The answer is: here. This year TECwomen CIC hosted two networking events for Cornwall based women in tech and allies. Complete with panel discussion, an opportunity to mingle and of course delicious nibbles and drinks.



July: What does an AI future mean for women?



Nov: The future of work for women



Awards & a growing team

TECH SOUTH WEST AWARDS

WINNER
Commitment to Talent

WINNER
People's Choice Awards

A special mention...

We are often asked how we manage to put on so many large scale events with such a small core team. Of course, it would not be possible without our extensive network of volunteers and the support of local organisations that share our values.







Hannah, Steve and Tom at RoweIT, Lauren, Shanelle, Luke, Mike, John and Izzy at Watson-Marlow, Lee B, Lee W, Claire, Julie and Janine at Cornwall Council, Liz, Rachel, Ailar, Luke, Adam, Simon, Pamela, Martin, Harry, Rhiannon, Devan and Jenny at ServiceNow, Gary, Sophie and Diana at DEFRA, Ian at Wildanet, Jax, Katie, Jane, Annette, Garry, Robert and Jordan. And to all our digitalUPLIFT mentors and supporters.

thank you for all your support!

Looking Ahead to 2024

We've got some exciting plans for 2024 and would like to share some of the headlines with you… Sponsorship packages are available, so please get in touch to find out more.



Ctrl Alt Del_ is a one day summit bringing the tech industry and communities together to explore accessible and inclusive innovation. This ground breaking event has speakers from Google, Accenture, EY, Unity, BBC, AirBnB, Tech4Good, Ability.net, Plymouth Uni, and a large number of startups and Cornish programs. Join us for a day of inspiration and celebration.

We have plans to run our digitalUPLIFT programme for two more cohorts within 2024. In addition, we will be expanding the offering - developing a deeper dive into the most in demand tech topics, providing bespoke programmes for larger employers and a version for primary school teachers to help them deliver the tech curriculum.

Looking Ahead to 2024

We plan to continue to build on some of most successful TECgirls projects from 2023, growing them in scope, size and impact. Some of these projects have already achieved sponsorship and national funding.



REACH FOR THE SKY FAMILY FESTIVAL DAY

Building on our successful Take Up Space events, TEC girls are launching Reach for the Sky Festival. The all day event will host 500 girls and their families at RNAS Culdrose on 15th June 2024. The festival is a celebration of all the exciting opportunities in aviation and the aviation job opportunities in the South West.

Thank you to our sponsors, making this possible.

UK Civil Aviation Authority

Department for Transport

TECGIRLS GREEN FUTURES JAM

We are back at the Eden Project for another Green Futures Jam. This time we are hosting the event on the 24th of April as a part of Earth Day celebrations. for 2024 we are planning to host 12 schools and 120 girls. Our sponsors ServiceNow, DEFRA, and Watson Marlow all loved last year's event so much, they are returning to sponsor our work again this year.

Thank you to our sponsors, making this possible.

servicenow

Department for Environment Food & Rural Affairs

WATSON MARLOW Fluid Technology Solutions

Looking Ahead to 2024

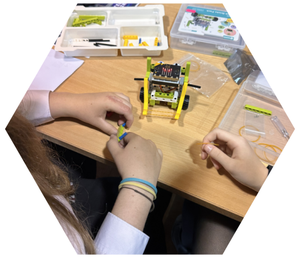
We have lots of big ideas that are **waiting for your sponsorship** to help us make a bigger impact.
Please get in touch to find out more about each opportunity below.



TECgirls micro:bit mentors club

sponsored by **<<your organisation name here>>**

An after-school club for girls - Years 5 and 6. The theme for the club is smart futures and each week girls and their teachers will learn how to use micro:bits to create their own smart model home.
#SmartHomes #micro:bit #Design #Engineering #Coding



TECgirls Amazing autonomous marine machines

sponsored by **<<your organisation name here>>**

A workshop for year 6 children showcasing marine and offshore careers and where children design, build and programme a dockside robot to complete a challenge.
#MarineCareers #OffshoreCareers #Robotics #AutonomousShipping #Engineering #Coding



TECgirls CyberSecurity Jam

sponsored by **<<your organisation name here>>**

Bringing together Year 7 girls from across Cornwall to build confidence with cyber skills and encourage participation in the CyberFirst Girls Competition once in Year 8.
#CyberSecurityCareers #Coding

Looking Ahead to 2024

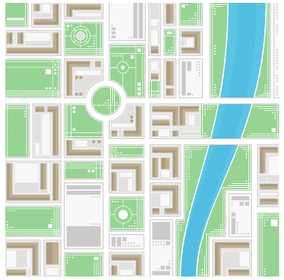
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Eco-sensor workshops in schools

sponsored by **<<your organisation name here>>**

Inspiring young people (years 4-6) with eco-sensors, teaching them to code and helping them to invent and deliver their own eco-sensor to help with a real world challenge.
#eco-sensors #agri-tech #AirQuality #WaterQuality #invention #SmartHomes



Smart Communities/Engineering workshops in schools

sponsored by **<<your organisation name here>>**

Aimed at helping young people (years 4-6) to understand things like town planning, highways, transport, infrastructure, and "smart communities". We will use local Cornwall examples to bring the project to life and children will design their own model village.
#engineering #TownPlanning #AirQuality #SmartCities #transportation #FutureCities



Young Women's AI Symposium

sponsored by **<<your organisation name here>>**

This event will work with older girls to explore what an AI future will mean for them and their generation. Girls from a range of subjects will be asked to explore, research and present their ideas on what AI means for the future, giving us all a unique view on a rapidly changing industry.
#AI #MachineLearning #FutureSkills

Can you help us reach over 250 women and 3,000 kids in Cornwall this year?

If you are inspired by what you read and would like to help us deliver on our mission, I would love to hear from you.

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