

be AWEsome

Build an awesome career in engineering

AdvancingWomenEngineers.com



awe

**advancing
women engineers**
powered by **item**

the drive

for

change

is

now



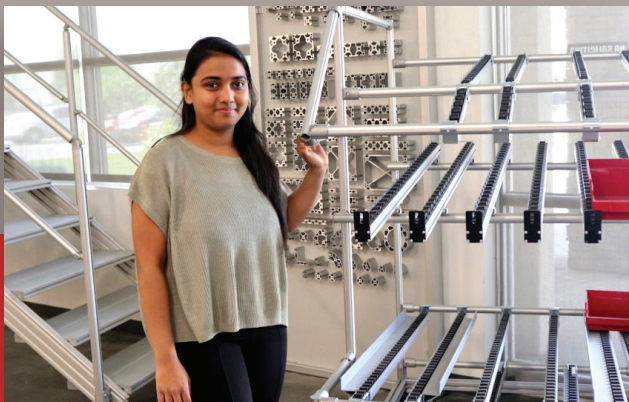
the possibilities are
AWEsome

AWE is an industry resource focused on inspiring a new generation of engineers by sharing stories and connecting people. Our partner, item, is equally dedicated to advancing the field of engineering as the global market leader in building kit systems for industrial applications. Discover more of the awesome world of engineering at AdvancingWomenEngineers.com.



Prajakta Sontakke

Mechanical Engineer
item West



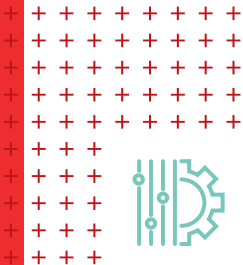
“

Don't try to fit in.
You can stand out.

”

140

The U.S. Bureau of Labor Statistics projects nearly 140,000 new engineering jobs in the next decade with a median annual wage twice the median wage for all workers.



As a Mechanical Engineer at item West, Prajakta Sontakke loves having the responsibility of designing something from scratch and then seeing it get built. Figuring out problems and developing hands-on solutions is a favorite part of her work.

Read her story at
advancingwomenengineers.com/prajakta-sontakke

how did they build it?



The world's toughest race for solar vehicles

Built using item components



For the World Solar Challenge, teams compete to build a race car with one seat, four wheels, a battery and a solar array no bigger than 4 m^2 in size — and then race it across the Australian outback. This team of students from RWTH Aachen University and FH Aachen University of Applied Sciences used item components to build a car capable of reaching speeds of 130 km/h that finished in fifth place.

Read more at bit.ly/solar-car-item

Molly Harwood

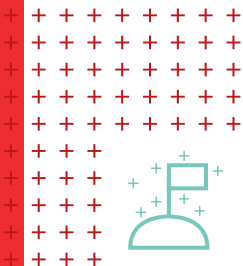
Industrial Designer

NASA



“ What motivates me most about my job is the challenge. ”

Engineers who are women are more likely to seek opportunities to use creativity, ideation and iteration to solve engineering problems.



Molly Harwood thought she wanted to be an artist. But making art helped her realize she loves making things. As an Industrial Designer at NASA, making things that help astronauts gather data in the extreme environment of space is a challenge she thrives on.

Read her story at
advancingwomenengineers.com/molly-harwood

every challenge is an opportunity

According to an **IndustryWeek** report titled **The Future of Manufacturing: 2020 and Beyond**, the top five challenges facing C-level executives in manufacturing companies are:

- 1** Strengthening customer relationships
- 2** Finding enough people with the right skills and talent
- 3** Meeting customer demands for product customization
- 4** Increasing demand responsiveness
- 5** Increasing labor productivity



Manufacturers have a real
need for smart, motivated
people. **Just like you.**



rise
to the
opportunity

KJ Cocke

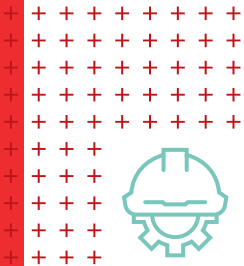
Engineering Manager
item West



“ Women have a lot to offer to this industry — our point of view, our own intelligence, our own perspectives. ”

141

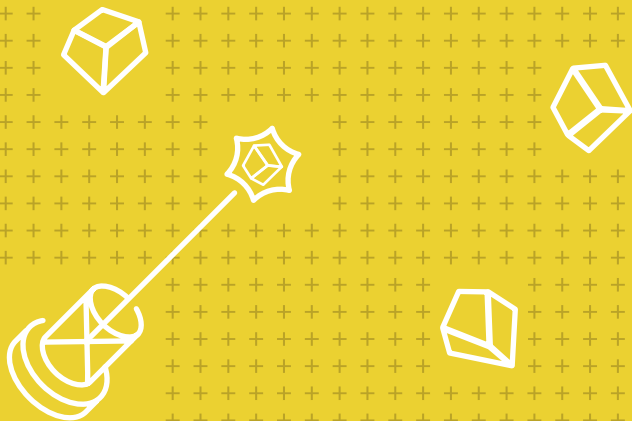
Today, 14% of engineers in the U.S. are women. That's a 141.38% increase since the early 1980s, when the number was just 5.8%.



KJ Cocke, an Engineering Manager at item West, believes that a diverse workforce is vital for companies to develop products that meet the needs of all of their customers. At item, she's equally passionate about creating solutions that make a difference.

Read her story at
advancingwomenengineers.com/kj-cocke

how did they build it?



Lasers that track space junk

Built using item components



Small debris floating in space pose a danger to commercial satellites and manned space travel. So, researchers at the German Aerospace Center built a laser to track it using a whole lot of tech and the item MB Building Kit System. By measuring how long it takes laser light to travel from Earth to a piece of debris and back again, they can determine its trajectory within meters.

Read more at bit.ly/lasers-space-junk

Christy Roman

Founder

Women in Automotive

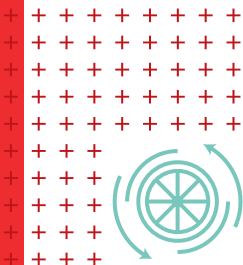


“

Where has this
been all my life?

”

Find your tribe. Find your purpose.
↳ Build the future you want.



Christy Roman, founder of Women in Automotive, shared her story with AWE. Through the power of making connections, the organization has become an invaluable resource for recruiting, retaining and developing female employees and leaders. Together, they're changing lives and the industry culture.

Read her story at
[advancingwomenengineers.com](https://advancingwomenengineers.com/women-automotive-christy-roman)
[/women-automotive-christy-roman](https://advancingwomenengineers.com/women-automotive-christy-roman)

how did they build it?



A do-it-yourself electric car

Built using item components



Engineer Paulo Camasmie is passionate about his side project. He's on a quest to make an electric vehicle with state-of-the-art safety technology that's affordable for the masses. And he's already built his first working prototype using the item MB Building Kit System and Profile Tube System D30.

Read more at bit.ly/atticus-robot-electric-cars

Amy Parish

Project Manager

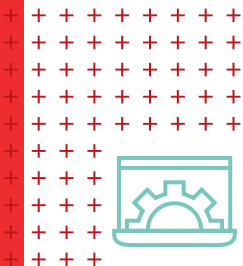
UFA, Inc.



Starting with something that doesn't exist and being able to provide something that makes people's lives easier and better is really fulfilling.

54

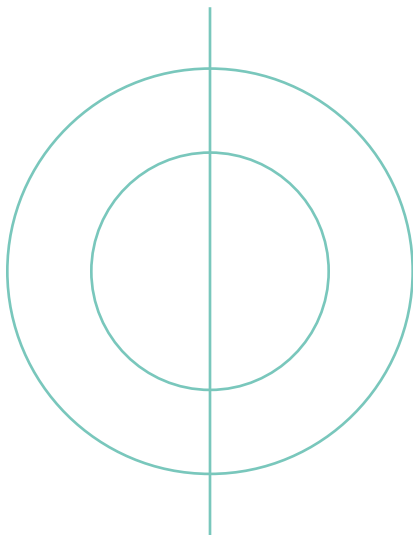
There has been a fifty-four percent increase in the number of bachelor's degrees in engineering and computer science earned by women since 2011.



As a Project Manager at UFA, Inc., a premier developer of Air Traffic Control simulation systems, Amy Parish works with advanced technologies like high performance 3-D modeling and surveillance, weather and flight data systems. But the favorite part of her job is helping people.

Read her story at
advancingwomenengineers.com/amy-parish

Try this challenge



Draw this figure in one continuous line without taking your pen off the paper. You also cannot cross a line or retrace a line. You've got this.

do you work with an
**AWEsome
woman?**

Nominate a coworker or mentor and she could be featured on our site. And if you believe your company has done a good job of promoting diversity, we'd love to hear your story.

Share the awesome at
advancingwomenengineers.com/contact

your ideas are worth it.

At item, our engineers have developed over 3,000 high-quality components designed for use in machine bases, workbenches, automation solutions and lean production applications.

item

Your ideas are worth it.®

Discover more inspiring stories at item24us.news

Tell us what inspires you on social media @itemAmerica



© 2019 item America LLC. All rights reserved.