

# ASTRA

F E M I N A

## IMPACT REPORT



2022

# OUR MISSION

## INSPIRING TODAY'S GIRLS TO BE TOMORROW'S STEM STARS

### WHO WE ARE

At AstraFemina, we know how powerful women can be in science, technology, engineering, and math (STEM) because we ARE those women. We are a collective of prominent STEM leaders who have made a significant difference in the world because we chose the excitement, challenge, and opportunities available in the many fields of STEM.

As a 501(c)(3) nonprofit organization, our mission is simple but powerful – to open more girls' minds to joining our ranks and soaring to new heights. Our current goal is to reach 10,000 girls and young women by the end of each year.

### OUR CURRENT PARTNERS

**Girl Scouts of the USA**

**Girlstart**

**Scobee Education Center Artemis Program & STEM Summit**

**Museum of Discovery Girls In STEM**

**Techbridge Girls**

**Million Girls Moonshot**

**Rosie Riveters**

**Texas After School Centers on Education**

**InspiHER**

**Tech Trek**

We team with existing organizations that already have strong STEM outreach programs, serving as a resource for these organizations to help them inspire girls and young women to not only dream big, but to pursue those dreams as well. Our cadre of successful STEM leaders provides concrete examples of what women can achieve.

### WHAT WE DO

AstraFemina works with our partner organizations to amplify their outreach efforts. Through venues such as personal appearances, video forums, and online experiences, we reach large groups of girls and young women, showing them the benefits of STEM as a career choice.

By sharing our stories and offering advice, we hope to encourage them to overcome stereotypes, biases, and unwelcoming environments and prove that STEM isn't just a "boy thing." In fact, we need more girls to follow in our footsteps, lending their bright young minds to become a dynamic force in STEM fields and make an impact in our world.

LESS THAN  
**<25%**

OF TODAY'S U.S.  
**STEM WORKERS**  
ARE WOMEN



**THAT MUST CHANGE**

# 2022 IMPACT

2022 was a year that saw great growth. Many of our new partnerships leveraged our ability to support numerous virtual events, allowing more of our members to easily engage at no cost. This year, with the help of the Texas Afterschool Centers for Education (Texas ACE), one of our new partners, we utilized a new engagement model. Through a virtual format, AstraFemina members met repeatedly with a large core audience of girls from underserved communities in Texas, enabling the students to interact with multiple STEM role models.

The exposure to various AstraFemina members, all discussing different STEM careers over several weeks, illustrated the breadth of possibilities for the girls to pursue. The success of this model is one that will serve as a roadmap to expand to other partners in the future.

AstraFemina has also worked hard to improve our website and our ability to engage with our members. Through the use of generous donations, we have migrated our website to a more capable platform, with a member portal to better manage the logistics of our partner engagements. We have also entered into a partnership with A World of Women in STEM (WOW STEM) to develop inspirational videos that tell the STEM journeys of our members. With our new website, A World of Women in STEM (WOW STEM) videos will be publicly posted to serve as a source of inspiration for anyone!



Since 2020, we have supported 81 engagements, both virtually and in person, and reached over 24,000 girls.



In 2021, we expanded our organization of scientists, engineers, technologists and doctors to 91 members in academia, industry and the government. Our goal is to have women role models across all sectors and STEM fields.



In 2022, we have grown our partnerships from 5 to 10 - all with organizations that have STEM programs specifically designed to inspire girls and young women.

*Here's what the girls are saying ...*

*"I learned what it takes to persevere,  
and never give up on yourself."*

*"Don't let anyone tell you,  
that you cannot do it - don't stop trying."*

*"I will not allow anyone to take away my chance  
to use my imagination or creativity."*



*"I can be anything I want to be,  
and I will, just watch me."*

## ABOUT US

AstraFemina members are volunteer contributors and have a wide variety of STEM experience. We strive to inspire young girls every day!

### EXECUTIVE LEADERSHIP

**Dr. Sandy Magnus**, President  
**Lt Gen (Ret, USAF) Susan Helms**, Vice President  
**Captain (Ret, USN) Wendy Lawrence**, Secretary  
**Dr. Jan Davis**, Treasurer  
**Ginger Barnes**, Board Member  
**Barbara Morgan**, Board Member  
**Dr. Ashley Williams**, Board Member



*Wendy Lawrence, Barbara Morgan, Susan Helms, Sandy Magnus, Ashley Williams, Ginger Barnes, and Jan Davis (L to R)*

## ACKNOWLEDGEMENTS

**THANK YOU FOR YOUR SUPPORT!**

### CORPORATE SUPPORTERS

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Judith Hayes  
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CHECK OUT OUR NEW WEBSITE @

**WWW.ASTRAFEMINA.ORG**

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**AstraFemina is a 501(c)(3) nonprofit organization**

**If you would like to donate, please visit our website at [astrafemina.org](http://astrafemina.org)**