

Igniting ideas to solve water challenges



XYLEM GLOBAL STUDENT INNOVATION CHALLENGE

March 1 - April 22, 2022



Xylem Global Student Innovation Challenge 2022

Final Report



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The Event

- » Links
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Website

<https://xyleminnovationchallenge.bemyapp.com/>

Event Platform

<https://xyleminnovationchallenge-platform.bemyapp.com/#/event>

Hashtag

#xyleminnovationchallenge
#LetsSolveWater
#XylemIgnite

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The Xylem Global Student Innovation Challenge 2022 was held virtually on March 1-April 22, 2022.

An 8 week long virtual innovation challenge allowed participants work on four different challenges involving Data Storytelling for Water Insecurity, Floating City Master Plan, Keeping Water Flowing in Rural Communities, and Kickstarting Water's Race to Net Zero.

The event had two separate participant categories, Secondary (High School) and Tertiary (University).

High school innovation participants included:

- » High school, secondary school, pre-university or equivalent

College innovation participants included:

- » College or university bachelors programs, community college, vocational schools, polytechnics, coding bootcamps, other tertiary or post-secondary schools or equivalent

12 secondary and 24 tertiary projects were submitted. 12 winning teams were selected.



Challenge Statement #1 - Data Storytelling for Water Insecurity

For some of us, clean, safe drinking water and proper sanitation are services we have come to expect. What if these essentials aren't available or accessible to everyone? Indeed, major water and sanitation infrastructure issues such as contamination, infrastructure failure, unaffordability and service shutoffs can disproportionately impact vulnerable populations within a community or region. These impacts range from quantitative measures, including lack of access to services, to qualitative experiences like increased mental and emotional burden. We believe that to create sustainable communities, water security is as important as access.

Examine and reflect on water or sanitation services in your community, region or country. Do you observe water insecurities? Are the occurrences or distributions of these insecurities more severe for populations of socioeconomic vulnerability?

Challenge Statement #2 - Floating City Master Plan

By 2050, an estimated 150 million people currently living in coastal areas will live under the high-tide line. Scientific models predict several of the world's great coastal cities will suffer from rising sea levels if nothing is done. Instead of spending millions on coastal protection, design company Oceanix is testing floating cities as a resilient and sustainable solution.

Imagine you and your family are living on an offshore floating city in the year 2050, with 10,000 other people. Provide a water master plan considering how water, wastewater and stormwater can be managed in this unique environment.

Please investigate and provide a water master plan that includes the following aspects:

- » (Required) where would you locate this floating city, and why?
- » (Required) What potable water source(s) would you use at the location you've chosen? Is the potable water system self-sufficient or dependent on import ? Are you going to perform centralized or distributed water treatment? How are you going to recycle water ?
- » (Optional) How can you leverage your floating city's water surroundings to produce, store, and distribute electricity needed to satisfy your water master plan?
- » (Optional) How does your water management plan battle water-related emergencies (e.g., water used for fire suppression, stormwater management, severe weather, etc.)?



Challenge Statement #3 - Keeping Water Flowing in Rural Communities

Approximately one million hand pumps are installed in wells across Africa. While these pumps are relatively sturdy and easy to maintain, it is estimated that up to one-third are out of service at any given time, leaving entire communities without reliable access to water. Some of these communities are also at risk from declining groundwater supplies.

Americares, a global health-focused nonprofit organization, is partnering with rural communities in Sub-Saharan Africa on hand pump management and wants your support to make these systems more resilient. By compiling publicly available information about common hand pump issues, you are asked to develop a solution that either:

- » analyzes potential failure modes
- » guides users on steps to take to repair the hand pumps
- » assesses the long-term risks to groundwater supply



Challenge Statement #4 - Kickstarting Water's Race to Net Zero

Global water and wastewater utilities, the facilities that move and treat water, are responsible for about 2% of global greenhouse gas emissions. That is as much as the entire ocean shipping industry. Water utilities must continue providing water for community health while contributing to the urgent need to reduce global emissions.

A community water and sewer system has asked for your advice to implement a net-zero emissions plan in the next 30 years. You are given a profile of their current technologies, energy and funding. What would decarbonization cost the utility? What benefits could it bring to the community? Your project submission may include technical plans, financial analysis, or proposal materials that could be shared with the local government to gain support.



Grand Prize

\$5,000

The Grand Prize winner for both the Secondary (High School) & the Tertiary (University/College) tracks will receive \$5,000 USD (to be evenly distributed amongst team members). 2 winners.



Challenge Winner

\$1,000

1 winner per Challenge Statement for both the Secondary (High School) & the Tertiary (University/College) tracks will receive \$1,000 USD (to be evenly distributed amongst team members). 8 winners.



People's Choice

\$500

The People's Choice winner for both the Secondary (High School) & the Tertiary (University/College) tracks will receive \$500 USD (to be evenly distributed amongst team members). 2 winners.



Incentive Activity Engagement Raffle:

- » Complete a project by Friday, April 15th, a week before the deadline - 2 Entries
- » Complete a project by the event deadline, Friday, April 22nd at 4:00pm ET
- » Register your team by Friday, March 25th
- » Watch a webinar
- » Watch all 9 Master Class videos
- » Complete a Watermark bingo (no one did this)

Incentive: \$100 gift card for 10 students

Registration Incentive - \$500 gift card from paid ad

The Promotion

- » Paid Media
- » Event Sharing
- » Newsletter
- » Post Engagement



Paid Ads



BeMyApp

- » 871 impressions
- » 256 clicks
- » 56 Registrations

Hackathon.com

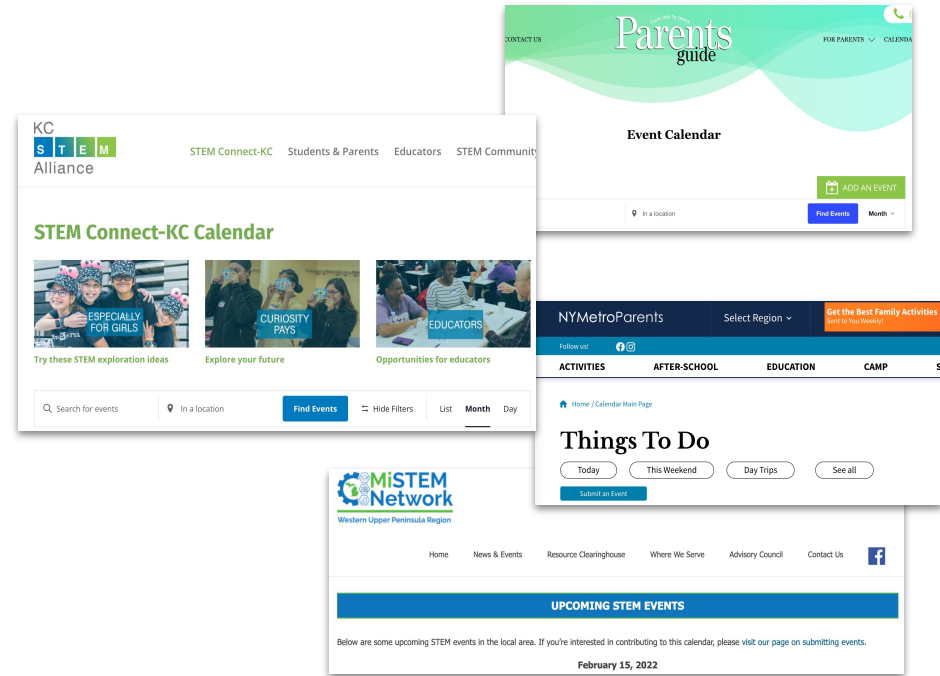
- » 506 impressions
- » 124 clicks
- » 51 Registrations



Event Sharing



- » [Hackathon.com](https://www.hackathon.com)
- » [BeMyApp.com](https://www.bemyapp.com)
- » Hackalist
- » American Consortium for Equity in Education
- » Kids Out and About
- » Parent Map
- » PDX Parent
- » NJ Family
- » Chicago Kids
- » MiSTEM Network
- » NYMetroParents
- » KC STEM Alliance
- » Futurist Network Discord





Newsletter

- » 51k Subscribers
- » 2 Newsletters Sent
- » 355 Sessions
- » 46 Clicks
- » 15 Registrations



XYLEM GLOBAL STUDENT INNOVATION CHALLENGE

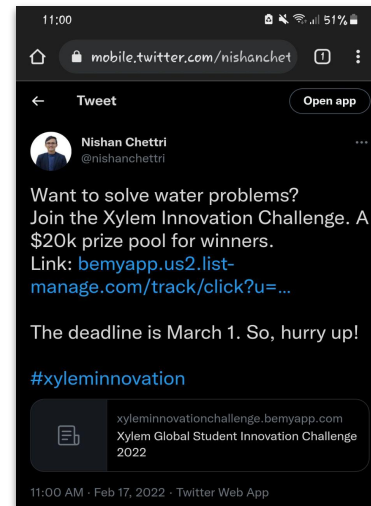
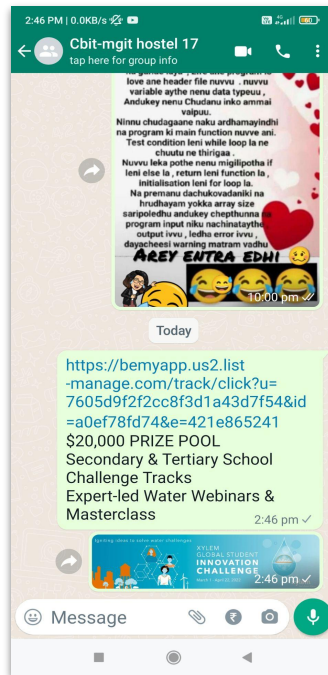
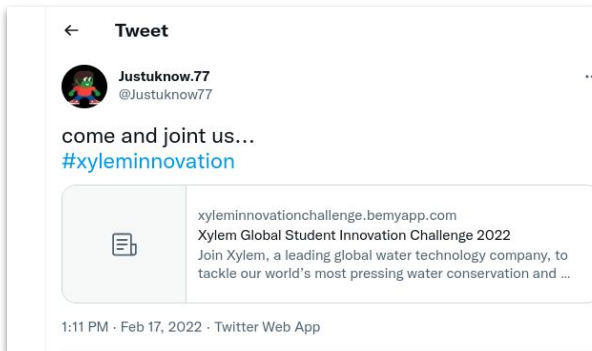
We cannot live without water. It's part of everything we do - from the time we wake up until the time we go to bed. Threats like climate change, pollution and aging infrastructure impact our water supplies and security.

Students ages 13-25, [join the Xylem Global Student Innovation Challenge](#) in solving water challenges to expand water access and resilience for all.

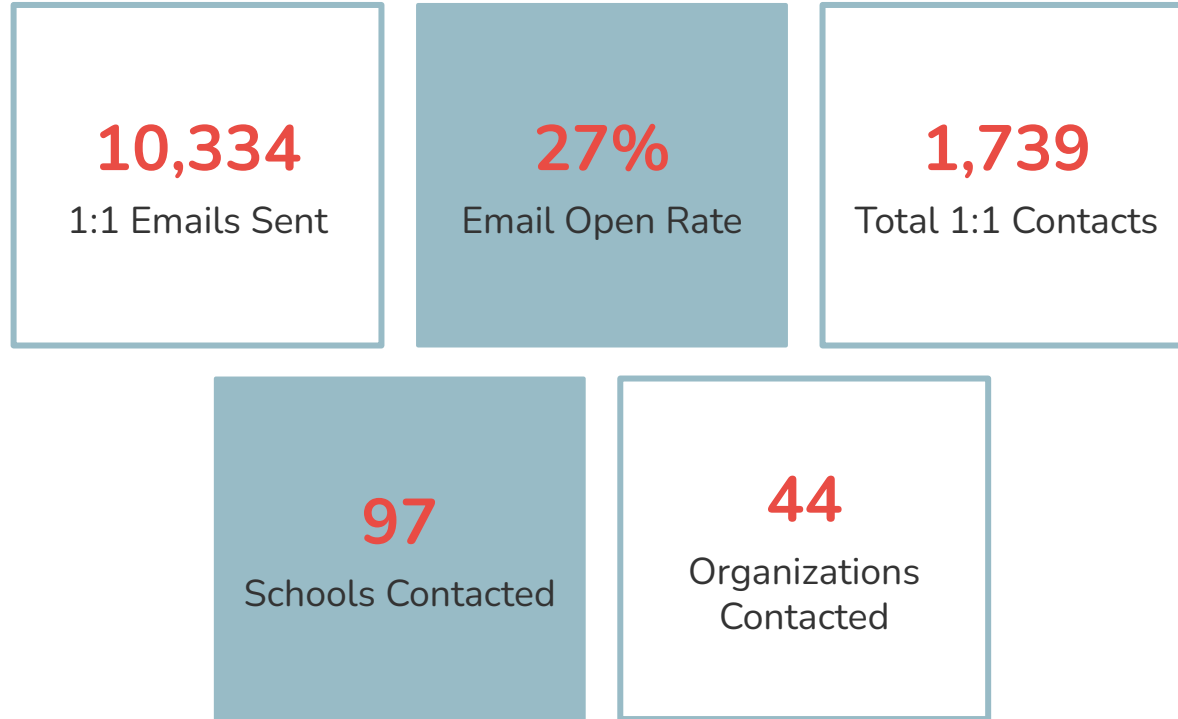
- Over 8 weeks, solve one of the Challenge Statements in teams of up to 5 students
- **\$20,000 prize pool** awarded for projects in 2 tracks - secondary (high school) & tertiary (university) tracks
- Build your knowledge and skill set with mentoring from water industry experts and webinars
- Win a gift card for yourself and for the non-profit of your choice throughout the challenge through activity engagement and the Watermark Bingo challenge!

[SIGN UP HERE](#)

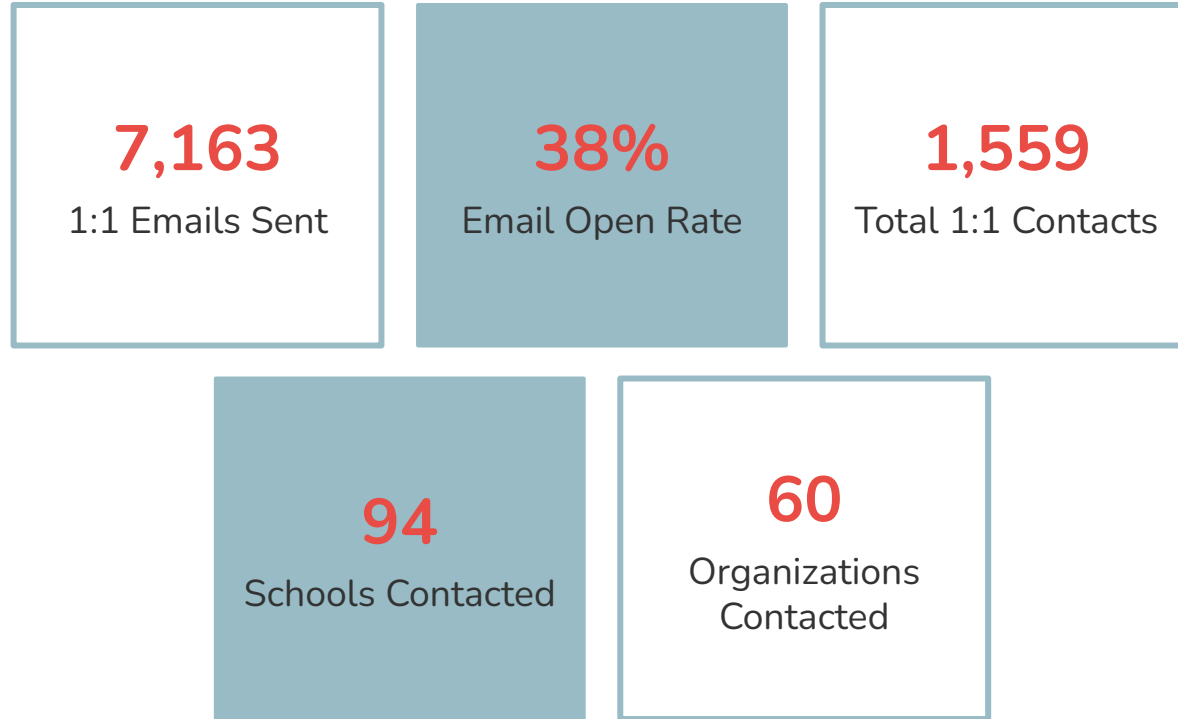
Social Sharing



BMA Outreach Actions 2022



BMA Outreach Actions 2021



The Figures

- » Overall Event Figures
- » Participant Data
- » BMA Outreach Results
- » Google Analytics Dashboard



Overall Event Figures



962

Registrants

821

Attendees
(Completed Profiles)

45

Mentors

92

Ideas Submitted

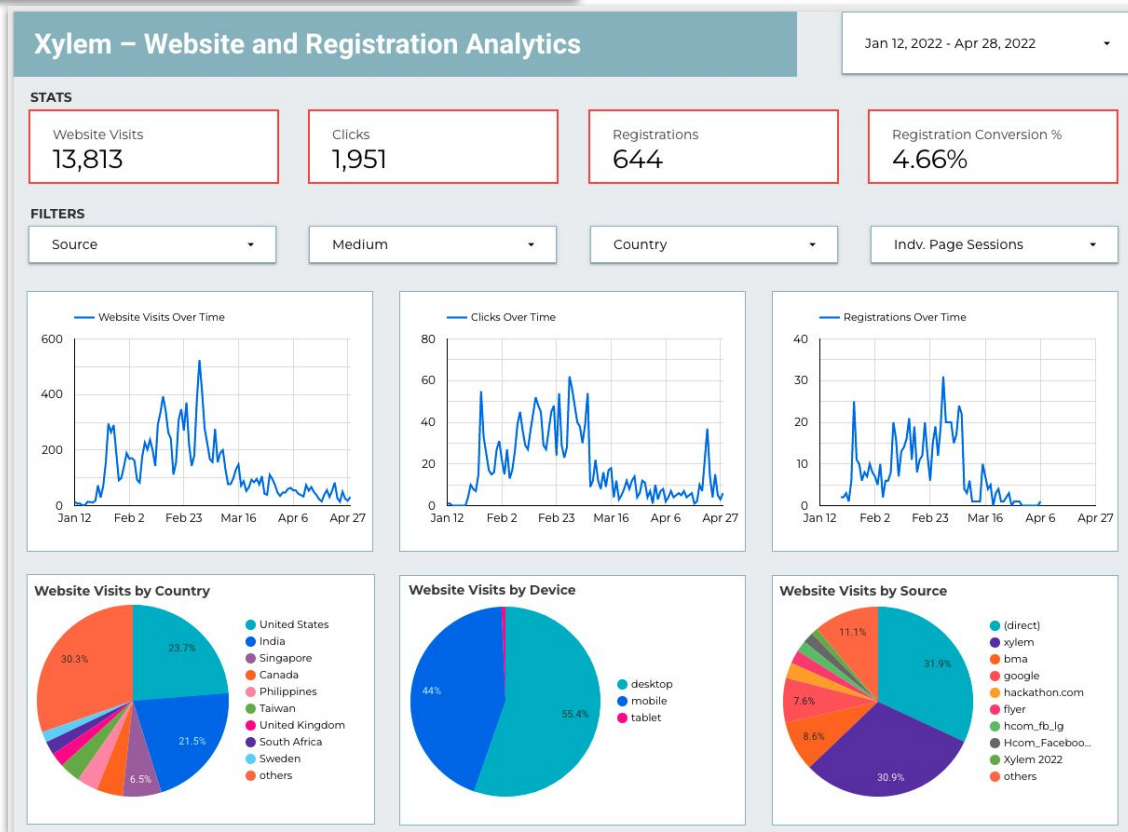
36

Projects Published

12

Winners

Google Analytics Dashboard



[Link to Google Analytics Dashboard](#)

Google Analytics Dashboard



Xylem – Website and Registration Analytics Jan 12, 2022 - Apr 28, 2022 Country

Source / Medium	Users	Sessions	Clicks	Clicks Conversion %	Source / Medium	Registrations	Registration Conversion %
1. (direct) / (none)	2,219	3,411	371	10.89%	1. (direct) / (none)	143	4.19%
2. xylem / website	704	895	144	16.09%	2. google / organic	46	3.44%
3. google / organic	661	1,339	255	19.04%	3. bma / lead-gen-incentive	38	8.32%
4. bma / lead-gen-incent...	368	457	151	33.04%	4. xylem / website	33	3.69%
5. bma / lead-gen	352	414	106	25.6%	5. xylem / cvent1	32	11.11%
6. xylem / linkedin	347	512	38	7.42%	6. Hcom_Facebook_ad / hcom_ad	27	10.67%
7. xylem / LatinAmerica	336	410	5	1.22%	7. upteam / uqr	26	59.09%
8. hackathon.com / referral	309	355	46	12.96%	8. bma / lead-gen	24	5.8%
9. Hcom_Facebook_ad / h...	227	253	75	29.64%	9. hcom_fb_lg / hcom_form	24	9.49%
10. hcom_fb_lg / hcom_form	199	253	57	22.53%	10. xylem / cvent2	17	15.6%
11. xylem / cvent1	171	288	75	26.04%	11. Xylem 2022 / email	16	3.77%
12. bma / ItoI	170	275	52	18.91%	12. hackathon.com / referral	15	4.23%
13. Xylem 2022 / email	165	424	37	8.73%	13. bma / ItoI	15	5.45%
14. xylem / email	157	316	31	9.81%	14. xylem / SEA	13	7.74%
15. m.facebook.com / referr...	155	171	10	5.85%	15. xylem / linkedin	12	2.34%
16. xylem / emailLEOH	133	243	26	10.7%	16. facebook.com / referral	9	16.36%
17. xylem / communitysocial	132	191	8	4.19%	17. m.facebook.com / referral	9	5.26%
18. xylem / ANZ	128	163	12	7.36%	18. xylem / cvent3	9	9.89%
19. xylem / emailsignature	126	183	11	6.01%	19. xylem / email	9	2.85%
20. flyer / qr	121	192	22	11.46%	20. classroom.google.com / referral	8	19.51%
21. Hcom_email / Hcom_br...	104	129	15	11.63%	21. xylem / emailLEOH	8	3.29%
22. flyer / bitly	99	124	13	10.48%	22. youtube.com / referral	7	36.84%
23. xylem / SEA	85	168	31	18.45%	23. xylem / socialDiscordI	7	7.37%
24. xylem / cvent2	82	109	33	30.28%	24. bemyapp.com / referral	6	6.45%
Grand total	8,529	13,813	1,951	14.12%	Grand total	644	4.66%

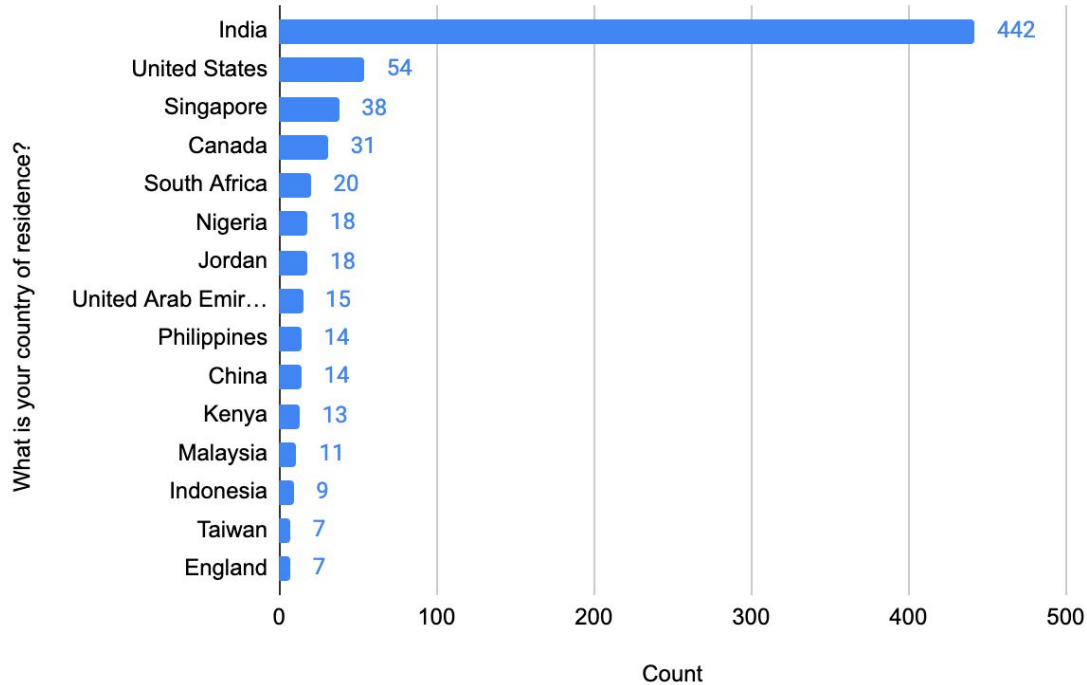
1 - 50 / 164 < >

[Link to Google Analytics Dashboard](#)

Participant Data - Registrants



What is your country of residence?



[Link](#) to All Registrants Data

Judging

- »Judges
- »Judging Criteria



Judges - Secondary



Andy Kricun

Managing Director
at Moonshot
Missions and Senior
Fellow at the US
Water Alliance
@ US Water
Alliance

Brandon O'Daniel

Senior Manager,
Data Lake / Data
Science
@ Xylem

Laura Bednasz

VP, Product
Management
@ Xylem

Xiangjie Kong

Vice President,
Strategic
Technology
Initiatives
@ Xylem

Franz Cerwinka

SVP & President,
Emerging Markets
@ Xylem

Shuping Lu

President, Xylem
China and North
Asia
@ Xylem

Judges - Tertiary



Michael Gould

Global Education
Manager
@ ESRI

Marie Raffin

Innovation
Engagement Lead
@ Thames Water

Gassan Mutwali

Senior Director,
Essence of Life
Solutions
@ Xylem

Sophie Wang

VPHR Water
Infrastructure and
Commercial Team
Europe
@ Xylem

Claudia Toussaint

SVP, Chief Human
Resources and
Sustainability Officer
@ Xylem

Menar Taffish

Director, Treatment
@ Xylem



Judges used the following criteria, which were equally weighted, to score and review the projects:

Impact:

- » Will this solution have a far reach and market potential?
- » How does it affect your community or what social impact does it have?

Innovation:

- » Is the project new and disruptive?
- » Does the project deliver a fresh and compelling user experience?

Challenge Fit and Feasibility:

- » How relevant is the project to the stated water challenge?
- » Is the solution possible, or just nice in theory?

Winners

» Winning Projects

» All Projects





Shared Water-Pump Intermittent Failures' Troubleshooting



[Project Page](#)

Prize: 1st Place Secondary - \$5,000

Challenge Category: Keeping Water Flowing in Rural Communities

Description: Improving pump life a) reducing critical parts failure rate b) Innovative design to reduce repair time c) Easy access to troubleshooting

The Issue: I worked on drinking water filtration methods using plant xylem & turbidity removal by capillary action. I also designed a solar parabolic heater with a shoe box, Mylar sheet & copper rod. During this work I became aware of water stress/global water crisis. I enjoy problem solving and designing innovative components. As an Eagle Scout, helping community with service projects has been my passion.

The Solution: I studied AFRIDEV pump repair steps carefully. There are un-necessarily repetitive steps of lowering/raising connecting rods (for deep well up to 40 rods). By creating a stirrup hook attachment to foot valve, I eliminated 4 time-taking steps. This new design can reduce mean time to repair by 30%. I created an app to monitor/stock critical parts for fast pro-active preventative maintenance.



Shared Water-Pump Intermittent Failures' Troubleshooting



OUR TEAM



Surya Tallavarjula
Secondary



AquaFlo

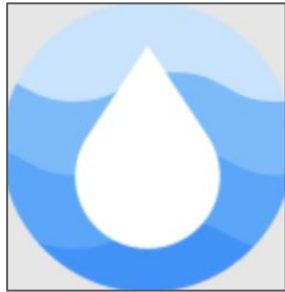
Prize: 1st Place Tertiary - \$5,000

Challenge Category: Keeping Water Flowing in Rural Communities

Description: AquaFlo is a multi-feature app alongside an interactive voice response system allowing outage reports with cost-effective implementation.

The Issue: Many Sub-Saharan Africans rely on hand pumps for getting water, with 20% relying on them as their sole water source. An estimated $\frac{1}{3}$ of the hand pumps are out of service at any given time, and stay down due to limited information. As a team passionate about using technology for social good, the 3rd challenge statement allowed us to impact and improve the quality of life for a large population.

The Solution: We came up with two different technical solutions: a mobile app and SMS/IVR system. The two components allow users to know when a pump is out of service at any given time. AquaFlo acts as a one-stop-shop for everything related to hand-pump troubleshooting and reporting. Combining both technologies makes it accessible for communities to easily set up and address issues effectively and inexpensively.



[Project Page](#)



AquaFlo



OUR TEAM



Judy Wu
Tertiary



Kate Lee
Tertiary



Safa A
Tertiary



Da Yun Chung
Tertiary



Kai Chen
Tertiary

Challenge Statement #1 - Secondary



[Project Page](#)

L'HIRAGUNI

Prize: Challenge Winner - \$1,000

Challenge Category: Data Storytelling for Water Insecurity

Description: An application to learn and immerse in water insecurities through stories and games. As well as donate, and share tales. Awareness & Action!

The Issue: Even though the world is progressing, the lack of awareness is still perceptible, as most issues like water insecurity are not profoundly understood by everyone. The belief that water is unlimited is all observer bias as there are still millions of people who can't have access to sanitary and drinkable water due to various socioeconomic issues. Lack of awareness is the only hurdle to a solution.

The Solution: Since the lack of awareness and action in our community is progressing as the world evolves, our team believes that utilizing the majority's interest in video games in imparting information is an effective way that may also open their eyes as they grow. It may also persuade them to offer a hand to those in need through donations, volunteerism, or sharing stories to influence others.

Challenge Statement #1 - Secondary



L'HIRAGUNI



OUR TEAM



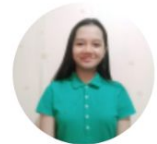
Mauren Cheyenne Dijon
Secondary



Juliana Georgette Bullock
Secondary



Alexander Matthew ...
Secondary



Julia Hanne Pal
Secondary

Challenge Statement #2 - Secondary



[Project Page](#)

FloDro

Prize: Challenge Winner - \$1,000

Challenge Category: Floating City Master Plan

Description: By 4 Guys N Da Ocean! A way to provide resources to climate refugees with new and innovative technologies for floating cities.

The Issue: About a 150 million people will be displaced by rising sea levels by the year 2050. This means 150 million people will be climate refugees, without shelter, energy, and most importantly, water. The problems are not limited to simply refugees. We will see large swathes of economic failure, large housing concerns, etc. Our model provides a multistep solution to the climate crisis and its refugees.

The Solution: Our project is a set of innovations in water systems, energy, weather prediction (through AI), and disaster management, which will work to provide a safe and prosperous environments for up to 10,000 climate refugees per city. Each one of our innovations is a component of a way to provide water, energy, shelter, and jobs to people who lost access to these necessities.

Challenge Statement #2 - Secondary



FloDro



OUR TEAM



Sweekrit Bhatnagar
Secondary



Kelvin Jou
Secondary



Mihir Chauhan
Secondary



Sambhav Mehta
Secondary



Enriching Water Sources for Rural Communities



[Project Page](#)

Prize: Challenge Winner - \$1,000

Challenge Category: Keeping Water Flowing in Rural Communities

Description: Enriching water sources for rural communities

The Issue: Rural communities do not have reliable hand-pumps for their source of water and have to rely on groundwater which can be easily contaminated and is not a reliable source of water. Furthermore, it depends on external conditions. Hand-pumps that break down easily cause the inaccessibility of water for communities. Hence, we wish to change their lives with better water systems and sources of help.

The Solution: Our solution consists of various components and uses technology to aid locals that have smart devices with them. Firstly, with the help of Americares, we will deploy volunteers to teach locals how to repair hand-pumps. Secondly, we will integrate technology to improve the hand-pump system by increasing helplines, encouraging locals to be self-sufficient, and a system to check groundwater supply.



Enriching Water Sources for Rural Communities



OUR TEAM



Avani Moye
Secondary



Sneha Thomas
Secondary



Tiffany Koh
Secondary



Florence Low
Secondary



Chloe Tay
Secondary



The Role of Methane in Water's Race to Net Zero



[Project Page](#)

Prize: Challenge Winner - \$1,000

Challenge Category: Kickstarting Water's Race to Net Zero

Description: Lets focus on reaching net zero by targeting methane. Lets target methane through the conversion of waste to biogas and AnMBR technology.

The Issue: Solutions were brainstormed after observing that sewage was the biggest pain point for the company. The solutions in this project were motivated by the fact that methane is 25 times as potent as carbon dioxide, making fighting methane, in my opinion, a bigger priority.

The Solution: The proposed solutions combine multiple technologies and offer not only climate benefits, but financial benefits to the company as well.



The Role of Methane in Water's Race to Net Zero



OUR TEAM



Arfa Omer
Secondary



Water's Life



[Project Page](#)

Prize: Challenge Winner - \$1,000

Challenge Category: Data Storytelling for Water Insecurity

Description: A mobile game that uses real life data to tell the story of water. Whether it's healthy or polluted, you can be the one to save it.

The Issue: Water accessibility and quality is poorly known among the common audience, this leads to low or even no consciousness about the topic. Therefore, no interest in improving the water conditions and management locally, which creates a problem globally.

The Solution: Water's life is a mobile game that uses real life data to tell the story of a water droplet that gets sick or healthy depending on the context and shows simple ways to solve those problems in real life. Players can unlock worlds by approaching physically to the location that represents that world, this get the player a more intimate encounter with the data game and the real world problems.

Challenge Statement #1 - Tertiary



Water's Life

OUR TEAM

M
Melissa Sierra
Tertiary

D
Dorean Acosta
Tertiary

Erik Murminacho
Tertiary

J
Joel Esteban Anaguano
Tertiary

N
Nathaly Zuleyka Garc...
Tertiary

The graphic features a central blue circle with a white icon of two people. Below it, the text 'OUR TEAM' is centered. Five team members are listed in a grid-like fashion. Each member has a circular icon with a letter (M, D, J, N) or a solid grey circle (Erik Murminacho). The names and 'Tertiary' affiliation are listed below each icon.



Laputa: The City of Hope



[Project Page](#)

Prize: Challenge Winner - \$1,000

Challenge Category: Floating City Master Plan

Description: Our floating city provides support, housing, and communities for potential climate refugees; kickstarting global change for the better.

The Issue: There is a pressing issue of rising sea levels due to climate change. Because of this issue, there will be several people from across the globe that will lose their homes and become displaced; essentially becoming climate refugees. To tackle this, we wanted to take an innovative approach to give these people a new home that won't succumb to the rising sea levels, using technology for the better.

The Solution: Our solution revolves around technological innovation, creating a floating city that will provide homes to these individuals that lost them. This floating city will provide water equity for all, while creating a thriving economy that is tied to their land, as well as the land that it is connected to.



Laputa: The City of Hope



OUR TEAM



Dunya Diyawagam...
Tertiary



Asia Abumaye
Tertiary



GeoTek



[Project Page](#)

Prize: Challenge Winner - \$1,000

Challenge Category: Keeping Water Flowing in Rural Communities

Description: GeoTek is a remote monitoring system which is using internet of things (IoT) and Artificial Intelligence to monitor Hand pump boreholes.

The Issue: My team and i have experienced first hand, the pain of water scarcity due to a dysfunctional hand pump system. we come from villages where the major sources of water are hand pump boreholes. Hand pump boreholes are very important in the rural water supply system. unfortunately many rural communities served by hand pumps still experience operational challenges and subsequent disruption in service.

The Solution: GeoTek is an integrated solar powered handpump monitoring system, with software and hardware components that is used to monitor handpump boreholes in real time and also maintain them. It is adaptable to both Afridev and Indian mark pump systems. GeoTek also leverages on Artificial intelligence to predict locations for drilling high yielding Aquifer wells for ground water exploration and extraction

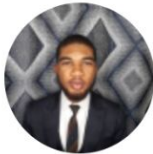
Challenge Statement #3 - Tertiary



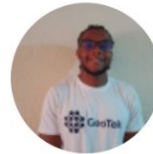
GeoTek



OUR TEAM



Ichor Joshua
Tertiary



Steve Odinkaru
Tertiary



Oghenekevwe Emada...
Tertiary



[Project Page](#)

H2Optimizer

Prize: Challenge Winner - \$1,000

Challenge Category: Challenge category

Description: We combat the carbon emission in Malaysia's water industry problem in 3 ways: Solar Energy, Sludge to Energy & Aeration Monitoring System

The Issue: Wastewater treatment plant in Kuala Sawah, Malaysia contributes to greenhouse gas emission through electricity usage as high as 166,474kWh/month. The oxidation ditch process utilizes 71% of total electricity consumption. On the other hand, the sludge produced by the process is only used as fertilizer, though having high potential for biogas generation.

The Solution: We propose to achieve net zero using three solutions: (i) Floating Solar Plant - Reduce reliance on burning of fossil fuel and natural gas to generate electricity (ii) Sludge Processing - Using Anaerobic Digestion and Water Scrubbing (iii) Aeration Monitoring System - Dissolved Oxygen and Temperature Sensor adjust motor speed.

Challenge Statement #4 - Tertiary



H2Optimizer



OUR TEAM



Tan Li Tung
Tertiary



Jocelyn Teh
Tertiary



Ch'ng Jing Ying
Tertiary



Lin Yong Wong
Tertiary



Ong Wei Ling
Tertiary



Sustaining Water

Prize: People's Choice - \$500

Challenge Category: Keeping Water Flowing in Rural Communities

Description: This is the way of sustaining hand pump well water in rural communities.

The Issue: Hand pump wells were installed, but it was estimated that up to one-third were out of service, leaving entire communities without reliable access to water. The issue with water management and access to qualified technical personnel is that, most rural areas in Africa do not have access to qualified and satisfied technicians or water organization support.

The Solution: We unite (partners) and sustain an organization that register, interviewed, trained, tested and qualified water Technical personnel. Collaborating with the organisation that have previously installed the hand pump well The innovation aspect; We build an emergency homing(tracking device) and problem signal device (HPS device) that inform the organization of an issue with the hand pump well.



[Project Page](#)



Sustaining Water



OUR TEAM



Adam Ibrahim
Secondary



Renz Abad
Secondary



Management & Sustainability Master Plan for Water and Energy

Prize: People's Choice - \$500

Challenge Category: Keeping Water Flowing in Rural Communities

Description: Our project seeks to address the major issues and problems associated with Water and Energy: Safety and Management including certain risks.

The Issue: By 2050, an estimated 150 million people living in coastal areas will live under the high-tide line. Scientific models predict several of the world's great coastal cities will suffer from rising sea levels if nothing is done. We are motivated to address this issue regarding the Water management, distribution and safety within the floating city as water plays a crucial role in any community

The Solution: Our solutions involve the use of existing and new conservative practices which can be improved with major innovations and with better accessibility. They involve: 1. Use of multiple sourcing to obtain potable water 2. Seawater as an Alternative 3. Water treatment and Wastewater Management Plan 4. Use of renewable energy sources to power the city. 5. Financial Plan 6. Disaster Management



[Project Page](#)



Management & Sustainability Master Plan for Water and Energy



OUR TEAM



Muhammed Obari
Tertiary



Marvellous Olalekan
Tertiary

All Projects



[Link](#) to all projects on platform

[Link](#) to all projects spreadsheet

xylem
Let's Solve Water

Projects Webinars Q and A Resources Mentors

93 projects

Filter by: Sort by:

ADD FILTERS SORT BY: GREAT

Management & Sustainabil...

Our project seeks to address the major issues and problems associated with Water and Energy: Safet...

FLOATING CITY

View project →

32 VOTES
Votes now!

GREAT 27 GOOD 4 OKAY 1

3 comments ↓

Xylem Questions





How many registrants ended up logging onto the platform, how many of them started a team or project, and how many of them published the project? (this can include valid/invalid submissions)

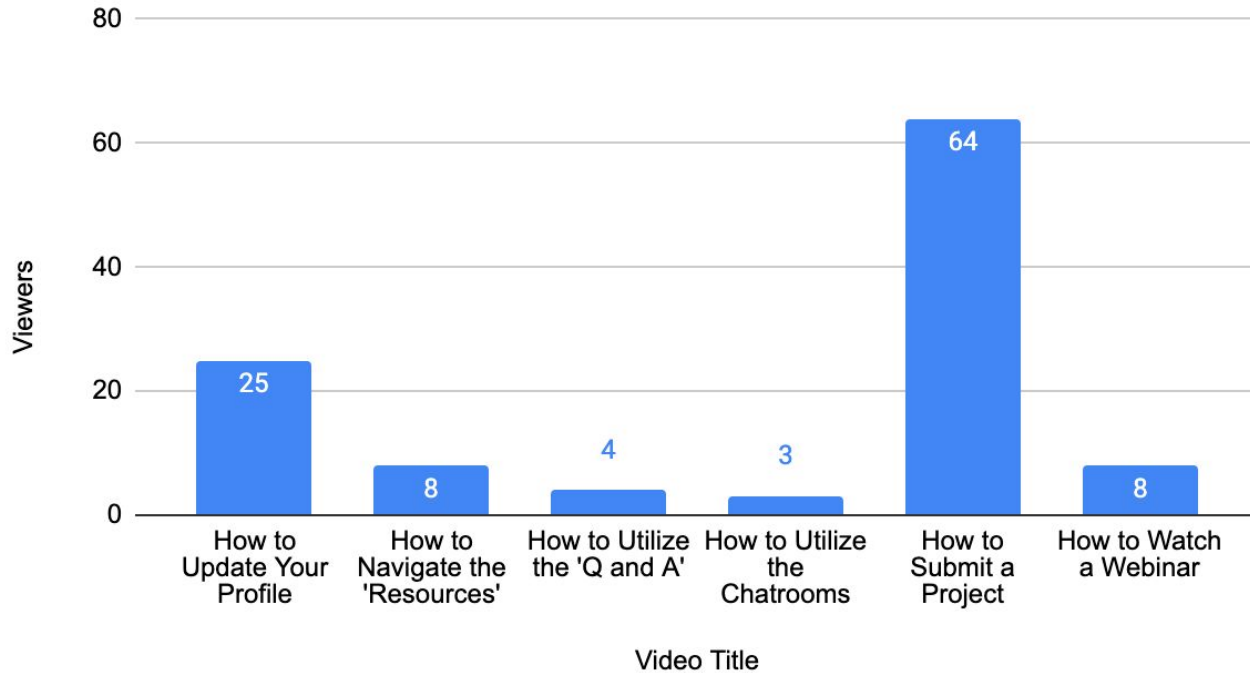
- 》 180 Students on 92 Projects
- 》 37 Published Projects (12 Secondary, 24 Tertiary, 1 Not Eligible for Judging)
- 》 55 Draft Projects

How many registrants viewed at least one webinar on the event platform?

- 》 258 Unique Webinars Viewers

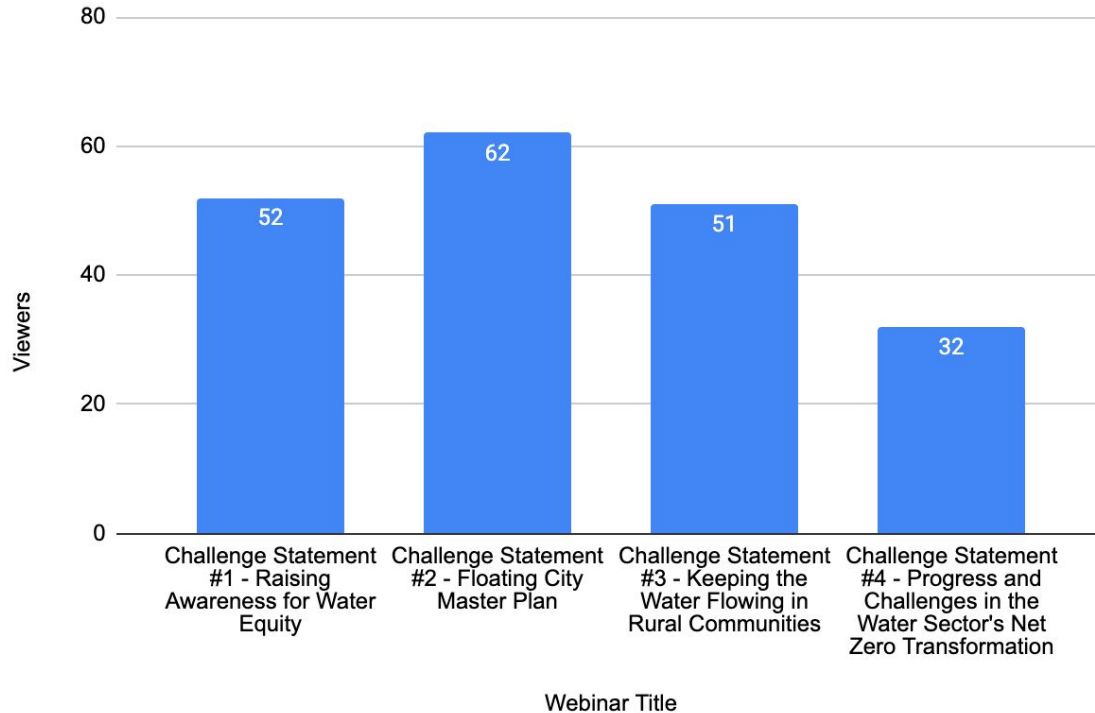


How-To Videos



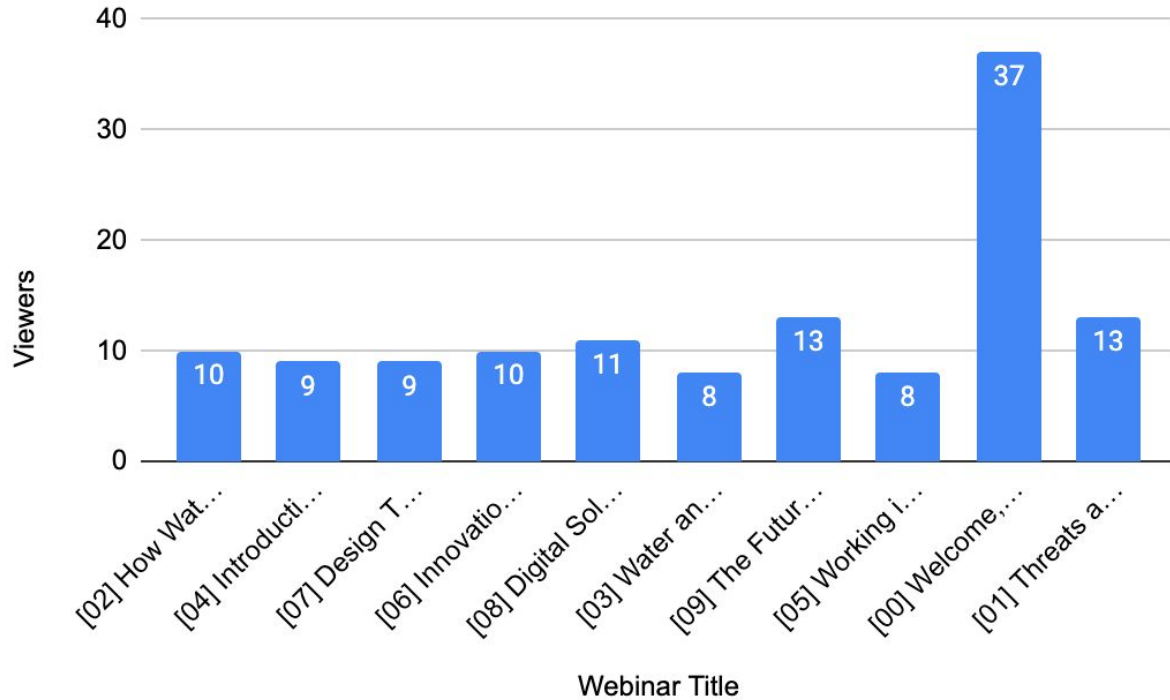


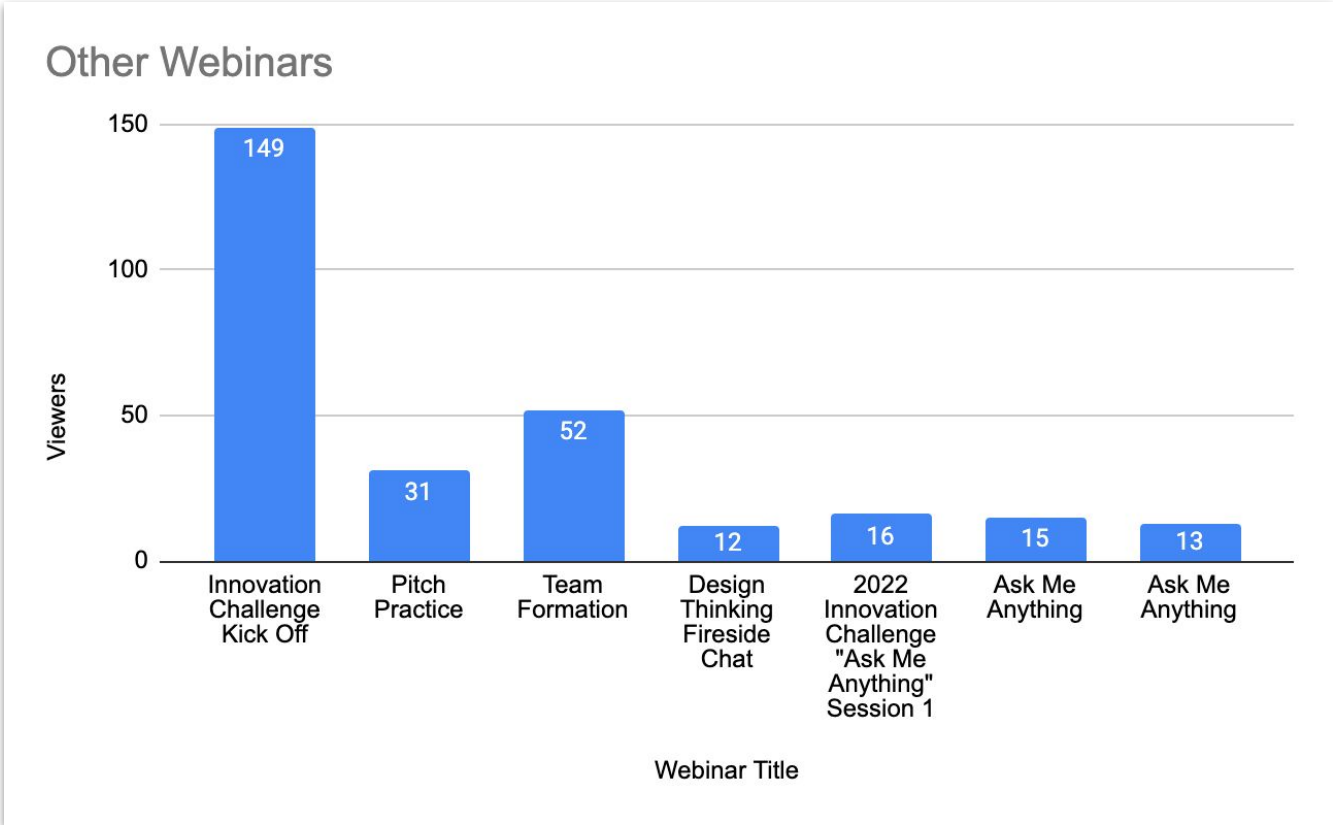
Challenge Statement Webinars





Master Class Webinars







How many sign-ups were coming directly from incentive ? (e.g., if you refer a friend, you get x dollar). Did those friends end up logging in?

- » 5 social shares - \$15 to each
- » 117 signs up from the Facebook incentive ad
- » 72 signs up from the Facebook non incentive ad

Questions



For BMA's weekly email, what is the engagement rate? (People click on links)

Email Title	Date	Unique Open	Open %	Unique Clicks
Welcome/Social Sharing	2/16/22	144	45	27
See you tomorrow	2/28/22	245	45.5	65
Team formation email	3/3/22	246	39	60
Challenge statement webinars	3/7/22	259	30.5	30
weekly update	3/10/22	249	29	34
weekly update	3/17/22	307	34	46
weekly update	3/22/22	255	28.5	15
weekly update	3/31/22	245	28	20
weekly update	4/6/22	256	28	23
weekly update	4/14/22	231	25	21
weekly update	4/20/22	197	21	21
Final Hours	4/22/22	203	22.5	19
Thank you/Survey	4/25/22	203	22	43

The Feedback

- » Survey Results
- » Suggestions
- » Client Feedback



Post Event Survey

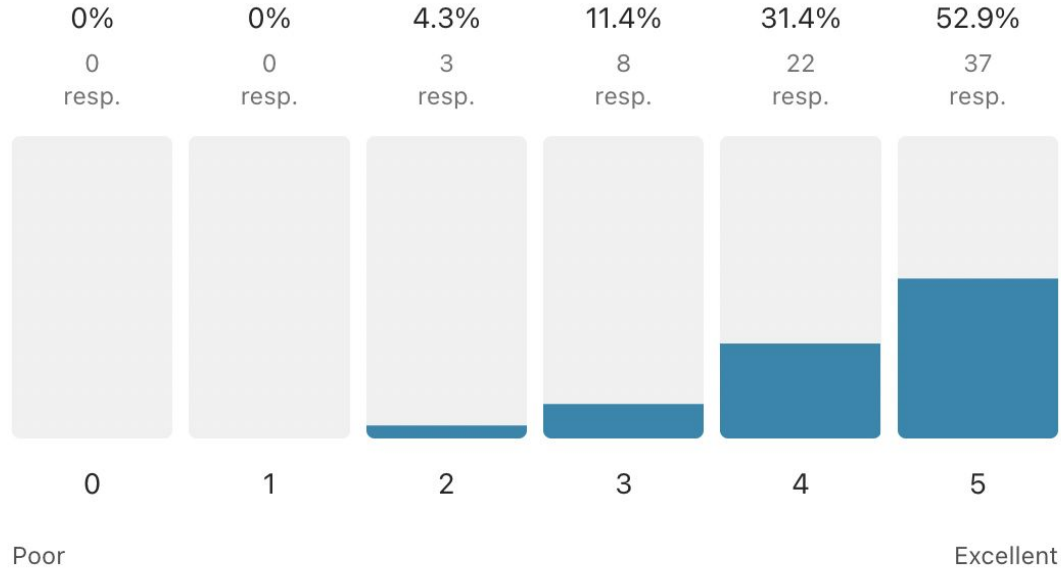


1

Please rate your overall experience with the Innovation Challenge.

Avg. 4.3

70 out of 70 people answered this question



Post Event Survey



I learned a lot

70 out of 70 people answered this question

Completely Agree 41 resp. 58.6%



Somewhat Agree 19 resp. 27.1%



Neutral 8 resp. 11.4%



Completely Disagree 1 resp. 1.4%



Somewhat Disagree 1 resp. 1.4%

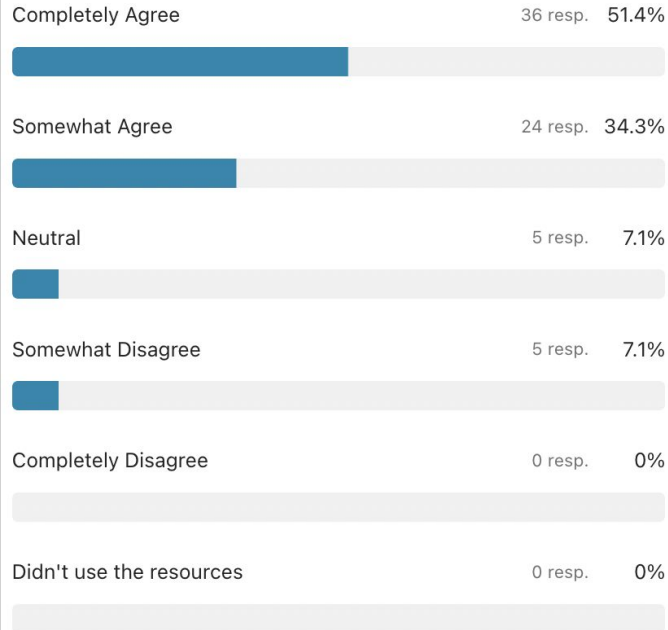


Post Event Survey



The resources provided (i.e. challenge packets, challenge webinars, resource tab articles...) were helpful and aided me on my project journey.

70 out of 70 people answered this question

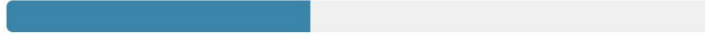




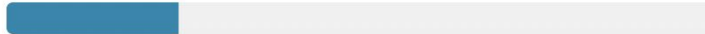
I received the support I needed from the mentors.

70 out of 70 people answered this question

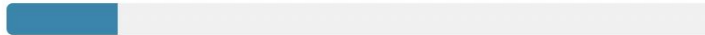
Completely Agree 30 resp. 42.9%



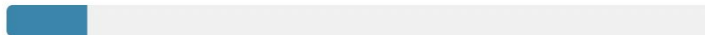
Somewhat Agree 17 resp. 24.3%



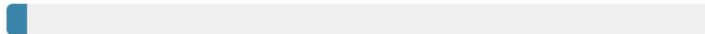
Neutral 11 resp. 15.7%



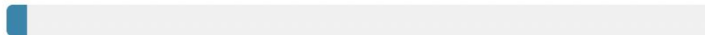
Didn't work with mentors 8 resp. 11.4%



Completely Disagree 2 resp. 2.9%



Somewhat Disagree 2 resp. 2.9%



Post Event Survey



I found the content in the MasterClass videos informative.

70 out of 70 people answered this question

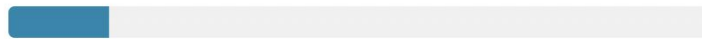
Completely Agree 34 resp. 48.6%



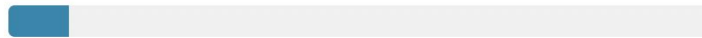
Somewhat Agree 16 resp. 22.9%



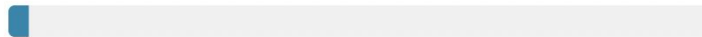
Didn't watch videos 10 resp. 14.3%



Neutral 6 resp. 8.6%



Completely Disagree 2 resp. 2.9%



Somewhat Disagree 2 resp. 2.9%



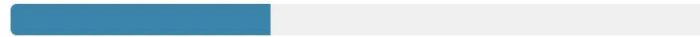
Post Event Survey



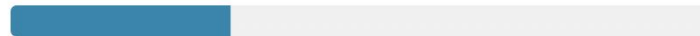
I found the Watermark activities interesting and meaningful.

70 out of 70 people answered this question

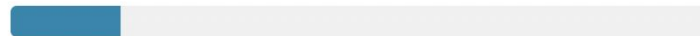
Completely Agree 26 resp. 37.1%



Somewhat Agree 22 resp. 31.4%



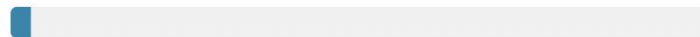
Didn't participate 11 resp. 15.7%



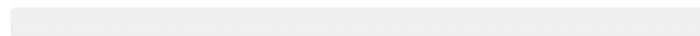
Neutral 9 resp. 12.9%



Somewhat Disagree 2 resp. 2.9%



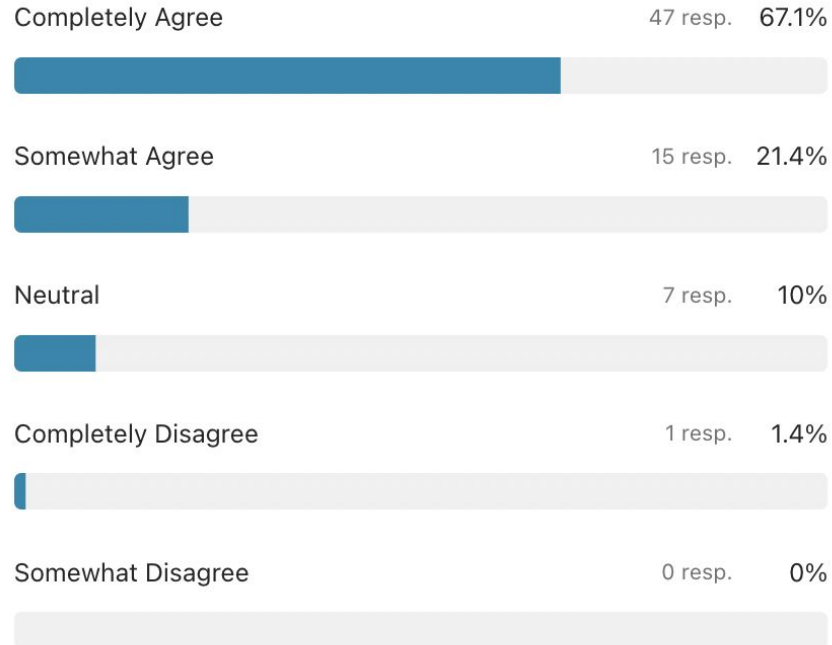
Completely Disagree 0 resp. 0%





The Innovation Challenge was well managed

70 out of 70 people answered this question





Would you like to hear from Xylem Ignite about future events and programs?

70 out of 70 people answered this question

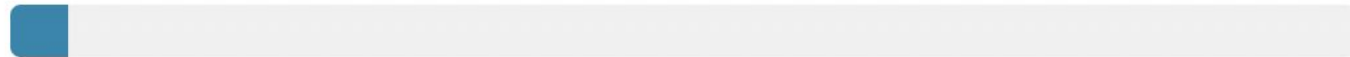
Yes, I'd like to hear from Xylem!

67 resp. 95.7%



No, I do not wish to hear from them.

3 resp. 4.3%

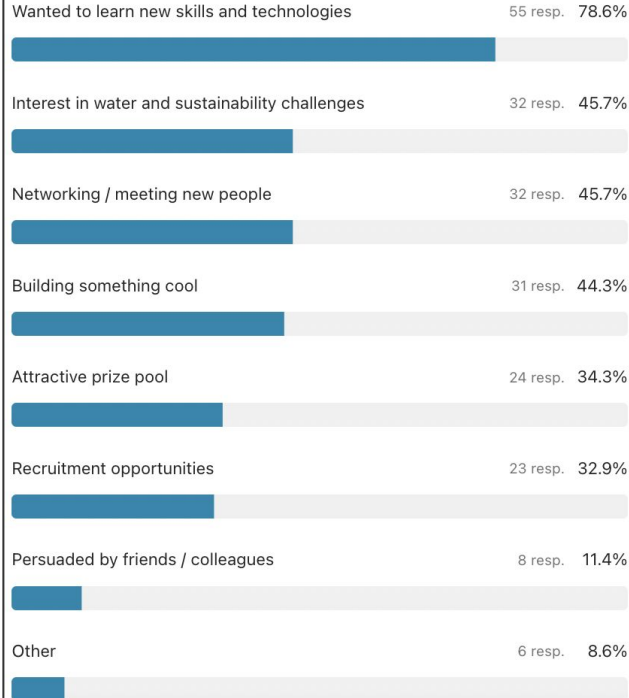


Post Event Survey



What was the main reason(s) you decided to participate in the Xylem Global Student Innovation Challenge?

70 out of 70 people answered this question (with multiple choice)



What was your biggest takeaway from innovation challenge?

Water Related:

- » Was able to know the difficulties for the people due to the lack of better drinking water
- » I learned that rainwater harvesting can save Africa from water crisis. I learned this from my research which was prompted by the problem statement to keep water flowing in rural communities. Thank you Xylem!
- » I learned a lot more about water and its **impact on the society**. I gained a lot of knowledge on **water technologies** I never heard of. The challenge made me more **conscious** about water in my community!
- » Understanding the **intricacies of water management**
- » The knowledge on water and sustainability. The feedback and coaching from the mentors



What was your biggest takeaway from innovation challenge? (continued)

Technology/Problem Solving:

- » My biggest takeaway from this challenge was that I actually learned more ways we can use our current and practical knowledge to help solve problems and challenges. Also, it gives someone the feeling of being an innovator and a real-time problem solver. I was also happy to interact with mentors and also the interactive webinar sessions. It was fun and exciting. I really wish i could even be part of the Xylem team so as to engage in more related project and activities. Really happy for the opportunity.
- » My major takeaway from the challenge is to understand real-time problems and to work on various solutions using various technologies to address these important issues and to create a sustainable future for future generations.
- » Got to know that I have a knack for product information and management skills.
- » Learning the art of problem solving and applying the knowledge of theoretical concepts to practical life
- » There is so much helpful technology that exists on the market. The challenge is to integrate these systems into existing infrastructure.

In what areas did we not meet your expectations? What could we have done better? Please be honest!

Engagement/Communication -

- » Engagement with the participants was not up to the mark i guess. The email communication was awesome. It was timely.
- » Communication
- » Communications with mentors could have been better. also, the interaction among different groups of people from different countries could have been more
- » It was really great ... I would have also appreciated a bit more interaction between teams and xylem as a whole

Timing/Information -

- » During the time that the challenge statements kept on changing.
- » The timing of webinars was not suitable for participants living outside the USA
- » Timing of the challenge, in other areas of the world particularly for under 18s, students had finished school for the year. In the UK however, the challenge began around a month before exam season. If the challenge began around summer then it might be flexible for many students.



In what areas did we not meet your expectations? What could we have done better? Please be honest! (continued)

Other -

- » I think if there would be a clearer message on watermark activities and it excludes the video part, it would be easy
- » Delay in results

Positive Feedback! -

- » the challenge was seamlessly executed, no complaints
- » I think the competition was organized smoothly. Shout out to the committees
- » The training and masterclass videos and sessions were excellent. The mentors were also very amazing and the bemyapp platform was super good. I will love to see xylem return next year.
- » Actually, every area met my expectations.. literally.



Please share any other comments you may have.

- » I wish this projects can serve as an opportunity to get remote interns.
- » Xylem Global Student Innovation Challenge is a great initiative. As water plays a pivotal part in our lives, we must discuss pertinently its uses and how to keep it safe and drinkable.
- » Xylem is doing all the students a great service by hosting this event.
- » Apart from the sectors that did not reach my expectations, everything was incredible! The event was extremely organized, and the people handling it were amazingly professional. They know exactly what they're doing. This event is also great for young minds to share their ideas and imaginations with the world. Because it is essential for us to form solutions and listen to the youth's voice.
- » It was a very good experience and hope to get more future events like this



To Keep:

- » By having incentives to register and encourage participation, we were able to keep students engaged.
- » Using Typeform for tracking consent forms allowed us to easily keep track of the forms.
- » By having a ton of mentors, we were able to provide a lot of support through the event.
- » Having **partners** to help with the challenge webinars and challenge statement packets was helpful for students and gave the challenges more legitimacy.
- » Having well put together out and thoughtful webinars brought more professionalism to the event.
- » Having a motivated and engaged organizing team helped to make the event successful.



To Change:

- » Edit the track names to more universal names.
- » Look into the timing and days of the webinars to see if maybe other times/days would work better.
- » Simplify the social sharing requirements in order to have a more engagement.
- » Plan for a busy 3 week sprint to go live following the kick off call.
- » Refer to challenge statements as their subject/name instead of as #1, #2 etc.
- » Challenges based on regional problems to engage more students from different areas.



To Try for Future Events:

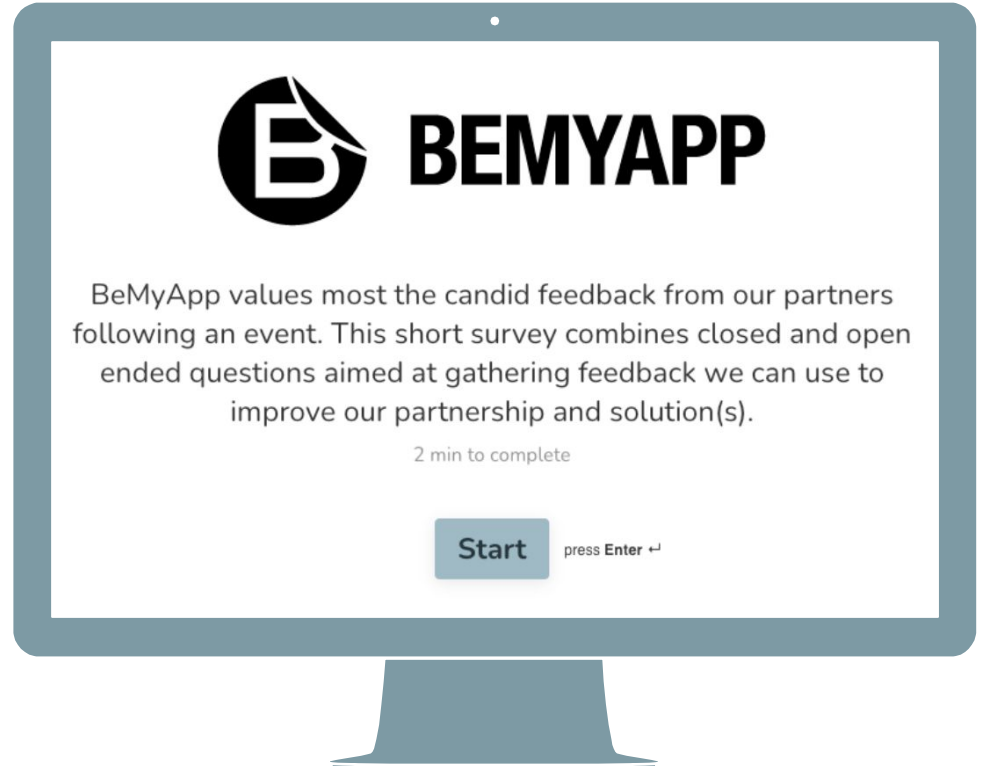
- » Mentors for students without a project started to help those who aren't as engaged.
- » Other types of sessions or opportunities for questions instead of the Ask Me Anything webinars.
- » Editing the Watermark Activity to something more simple with less prompts and action items to make it easier for students to participate.
- » If desired, plan for a virtual project review or live final judging session ahead of time.
- » Partnering with a technology company that can provide a platform or service for participants to integrate into their projects.
- » Targeted outreach for custom webinars/partnerships with schools.
- » Consider raising the prize pool to entice more students to participate.
- » Build in opportunities for reviewing resumes or practice interviews for potential internships with Xylem or other event partners.
- » Use the BMA judging platform to help simplify the judging process.
- » Find ways to utilize the mentors more to engage students and produce more published projects.

Thank You!

- » Post Event Client Survey
 - » \$25 Grubhub eGift Card
 - » Final Report delivery upon completion of survey

- » Business Alignment Meetings
 - » Schedule call with your Customer Success Manager

- » Referrals



<http://bit.ly/bmausclient>



CONGRATS!

BEMYAPP
TEAM

