

## Chairman's Award - Team 2905

Print

Close

## 2018 - Team 2905

## Team Number

2905

## Team Name, Corporate/University Sponsors

Fikret Yuksel Foundation/Siemens/Turkish Airlines/Mavi Jeans/Arge Muhendislik/Arzum/Solidworks/Kahve  
Dunyasi/Roboturka & Darussafaka Educational Institutions

**Briefly describe the impact of the *FIRST* program on team participants with special emphasis on the 2017/2018 year and the preceding two to five years**

STEM was previously an interest for team members, now it is a future. 100% of our alumni attend to college, 98% of them made a career in STEM&%94 continued in FIRST as mentors, volunteers&coaches. One of us was "Volunteer of the Year". Team gained skills such as well communication, empathy, critical thinking&GP, learned to appreciate. SOT members become managers, engineers&the ones that make an impact that matters!Team 2905 made new friends for life,'Sultans of Turkiye.'

**Describe the impact of the *FIRST* program on your community with special emphasis on the 2017/2018 year and the preceding two to five years**

As the bridge between FIRST&our community, we transmitted impacts of FIRST to the youth&make them believe in their voices.Inspired +1500 kids by running 3 robocamps, will enlighten +5k girls from 4 country.Ran +35outreach events,reached 180M of people.Consequently +1500 people started to consider a STEM career, +3000 kids started to take part in FIRST&STEM.2905 strives to create a socially responsibled community, change constant perceptions&raise awareness.

**Team's innovative or creative method to spread the *FIRST* message**

2905 reached 95M people by 277 broadcasts.Used VR Tech for robot.Will organize "Women in STEM" Conf, forms a Robotic Kitchen Set.Answered countless questions 24/7 in FRC Call Center.Used Sign lang&Braille in docs for the 1st time in FRC.Started an Autism Maker Club.Printed books, animal models in 3D for blind kids.Built the robot "Light Bin", prepared science e-journal, wrote a FIRST Song.Made walkers for 250 animals, designed Smart Cities.Took big steps @ renewable energy like Step Up.

**Describe examples of how your team members act as role models and inspire other *FIRST* team members to emulate**

2905 creates FRC Need Map to make FRC teams cooperate.Co-organized 2 offseason event in TR.Share our award docs.Made team handbook for rookies to inspire.Ran 2, hosted 1 Kickoff.Volunteering @ STEM&nonSTEM events.Started CreoLAB&STEMClub&hosted +7k people @ school.We will organize one of the biggest Maker Faires w/ our school.2905 organized two 3D Printing Competition.Started a Regional event in Turkey.Team 2905 shared their story in TedX Reset Programme w/ motto; "Forward but all together!"

**Describe the team's initiatives to help start or form other FRC teams**

As the locomotive of FRC train in TR, we presented FRC in 29 cities. Opened stands&presented at 21 events. Hosted +350 kids&14 schools from 4 cities w/ 3 Robocamps. We held workshops in Kickoff Events. SOT established 4 FRC teams&will start 8 more in 2018. 2905 creates FRC Communities in 8 countries to start more teams in different continents.2905 creates "FRC Need Map", started a Regional Event in Turkey.

**Describe the team's initiatives to help start or form other *FIRST* teams (including Jr.FLL, FLL, & FTC)**

Team 2905 is the 1st Turkish team that searched the process&planned the budget to start FTC in TR. Made Skype Calls w/ 4&keep in touch w/ 8 FTC Teams. Opened stands&presented at 21 events including Maker Faire 16/17. Volunteering at MakerLab for 4 years&started an FLL team. Volunteering at Usturlab Atelier&will start Jr. Fll team. We r in touch w/ 15 schools to start 19 more FIRST teams. Started 24, mentoring 18& assisted 52 FIRST teams.

**Describe the team's initiatives on assisting other *FIRST* teams (including Jr.FLL, FLL, FTC, & FRC) with progressing through the *FIRST* program**

Team 2905 volunteers at FIRST tournaments in TR, USA&China. Gave robot parts to 15 different teams. Prepared 2 handbooks, 2 mobile apps, 2 term dictionaries for rookies&veterans. SOT prepared FTC guide to introduce FTC in TR. Answering questions via Call Center&Whatsapp& Skype. We published our LabVIEW code. Hosting teams in our workplace, help them w/ PR&engineering.

**Describe how your team works with other *FIRST* teams to serve as mentors to younger or less experienced *FIRST* teams (includes Jr.FLL, FLL, FTC, & FRC teams)**

Team 2905 involved friends from Canada, USA, China, Mexico, Brazil&Israel to the SOT Chain. Within the assistance of other FRC teams, we ran 2 Kickoff. 2905 will host Barack&Michelle Obama at Midwest Regional w/ team 1902. Constituted skype calls with 10 FIRST teams&answered more than 1500 questions from teams at FRC Call Center.

**Describe your Corporate/University Sponsors**

Fikret Yüksel Foundation Siemens Mavi Jeans Turkish Airlines Arzum Solidworks Ar-Ge Mühendislik RoboTurka KSC Copy Center Kahve Dünyas?

**Describe the strength of your partnership with your sponsors with special emphasis on the 2017/2018 year and the preceding two to five years**

SOT Family have dinners&pizza parties including sponsors&alumni. Sponsors help us financially&morally. They also give alumni the chance to work at their companies. Because of being grateful to sponsors&their endless support, we prepared certificates for them. We give them team t-shirts&other team stuff as a gift. Sponsors visit our team at tournaments&other events.

**Describe how your team would explain what *FIRST* is to someone who has never heard of it**

FIRST teaches everyone how to imagine&think without limits&believe in your dreams. FIRST helps us w/creating a community full of self confident&fearless role models of the future. Provides everyone the courage&inspiration they need to make a difference&take a step further. FIRST is the most powerful torch that can lighten up our tomorrows. FIRST is life stage where kids can get back much more than they give. Kids discover&experience the future. "It's easy to get started, and impossible to stop!"

**Briefly describe other matters of interest to the *FIRST* judges, if any**

SOT members from +20 cities share same fate in an orphanage boarding school. Team is willing to reach each&every individual wherever they may be. Sacrificed everything from holidays w/family to long sleeps to turn challenges to opportunities even w/ limited resources. We r the 1st FRC team used sign lang in docs&video. Collaborated w/TDL to form Drone Leagues for +50k student per year. Ran at 16/17 Marathon to cover 120 students' school&medical expenses. Discovered a great bond btwn,'SOT Bond'.

**Team Captain/Student Representative that has double-checked this submission.**

Sevval Keskin

## Essay

What if an endless FRC Journey has started!?

When it all started as a big dream 9 years ago, the idea of creating out of nothing seemed challenging but never impossible! First steps were taken with 2 students & a Mentor by starting the first Turkish FRC Team, 'Sultans of Turkiye'. What if the impact is abiding?

Since inception, our dedication & impact aimed to reinforce "Coopertition " & "GP". From alumni to beginners, every SOT member impact on their community. Our alumni, Ayse Selcok has made it possible with 2905 for Turkey to hold the first FRC Regional! FRC in Turkey, has reached its highest participation number ever throughout 9 years of struggle, inspirAtion, mentoring, "lighting up the world".

We have no way of knowing how many people we touched & thousands of lives we changed? How far & wide will the experiences travel? The possibilities are infinite.

What if the "Source of Inspiration" is so close despite thousand kilometres between?

10 000 kilometers! The 4th China Robotics Challenge! It sounds crazy but not as much as us! SOT members, sacrificed everything from summer holidays with family to long sleeps to inspire 70 Chinese, 15 international teams, +5k people making a broader impact! But this is not enough! Team 2905 is creating "FRC Need Map" to form a cooperation between teams, enabling them to help each other as PR or engineering & sending support no matter how far the distance. Team 2905 used VR Tech to present users the robot & show the functions no matter where or when. As the ambassador team of TurKey in FRC Help Now Project for 2 years, SOT answered teams' +1500 questions from 8 countries 24/7. No matter how far, SOT Effect is there!

What if the team endeavors to change things for the better?

FIRST showed us how the first letters of thousand stories can be written. Team 2905 designed +50 Arduino projects w/ Intel for two years to find innovative solutions for community. SOT printed 3D models for lessons, made space telescope models w/ kids to take a closer look at space, opened 4 STEM labs in school & hosted +7k people. SOT works on the 1st handmade Radio Astronomy of TR w/ NASA Radio Jove international programme. As believers in technology, 2905 continually push limits to put new technologies into service of humanity by preparing a Robotic Kitchen Set. We work w/ hospitals on Robotic Surgery & enhances surgical robotic arms to reduce the cost of operations. Team 2905 & TDL, together urge municipalities to utilise Emergency Drones preventing possible crimes, accidents & injuries. We organized the 1st 3D Printing Competition for high schools for 2 years.

2905 cooperates w/ Hasan K?z?l to make 3D Printed mobility walkers for 250 animals from 5 cities. Sultans try to bring a new dimension to education by introducing 3D Pen technology. SOT enhanced the Earthquake Sensors at school & minimized the damages of natural disasters. We now use sign language in docs because having a common language is precious. Being "blind" is not an obstacle to read, write & make an impact. SOT 3D Printed books in Braille Alphabet, buoyancy aids & casts for medical to assist their involvement in everyday activities. We're in cooperation w/ Turkey Drone League to form UniLeague & HighSchool Drone Leagues for more than +50k students a year. Team 2905 improves the present, innovates the future to "make an impact that matters!"

What if the team is volunteering for countless hours?

SOT formed FIRST members at MakerLab, started an FLL Team, were involved in the design of RoboHand Project & inspired +1500 kids. We're volunteers at 5 science centres, FLL Tournaments, Regionals, World Champs & CRC. One of us had the honour to be "Volunteer of The Year". Our alumni take big roles at Off-Seasons. Usturlab Child Atelier is another place in which +450 kids are inspired & will have a Jr.Fll Team.

What if leading comes first then managing comes close to last!?

Team 2905 open its doors to teams, guides them w/ engineering & PR. Prepared 2 handbooks, 2 mobile apps & 2 term dictionaries, shared documents. In 2018, 19 FIRST teams will be started. Team 2905 co-organized 2 Off-Season events, ran 2 Kickoff, hosted the 1st official Kickoff in 2016. 2905 believes, FIRST is not just about machines, it's about shAring experiences!

What if putting a smile on a face is the goal?

FIRST allows us the opportunity to build not only our own futures, but also thousands of other people aged 7 to 70. Team 2905 printed 3D animal models, made scientific experiments w/ blind kids like examining the heart's structure. SOT sent school materials to Cuba & as a return their smile was enough. We ran in 2016/17 Istanbul Marathon to cover 120 students' school & medical expenses. 2905 is the 1st FRC team who used sign language in docs, shared their dreams, goals & impact w/ "deaf" people. SOT created & were able to implement a cost efficient hearing aid device. 2905 members are making a website called "DeafTec" for deaf people by explaining STEM terms in sign language using videos.

Team 2905 learNed that people forget what we said or what we did but people will never forget "How we made them feel!"

What if the GIRLS, are in STEM!?

For every engaged society, girls spark the flames of STEM. SOT cooperates w/ K?zCode, giving workshops to girls from different regions of Turkey. We reach +5k girls by visiting K?zCode in Africa, UK, USA, TR & make them new FIRSTees! What inspires us for the work done is, the splrit that girls have!

Team 2905 will organize "Women in STEM" Conference where women will share experiences. Half of our team are girls & they are in engineering crew. Team 2905 believes embodying gender equality is the cornerstone at raising girls as leaders. SOT works w/ UNWomen to create a platform for +2k girls to find solutions & budget to help them start their own FIRST stories.

What if the first Turkish FTC Team were to start!?

**Essay - page 2**

As the first Turkish FRC Team, we're able to see what the future holds for Turkey. We're in touch w/ 8 FTC teams to learn every single detail. SOT presented to school managers, made skype calls w/ 4 international teams, found sponsors. Team 2905 will start the first Turkish FTC team in 2018! The future of thousands will be shaped & an infinite FTC storm will start all over Turkey! That's what Sultans call "SOT Effect!"

What if encouraging all brave hearts is more precious than success?

From the start, 2905 committed to one mission; the creation of a culture that encourages students to become leaders in STEM. SOT cooperates w/ Intel to educate +300 students on Arduino for 3 months. Organized 3 RoboCamps & reached +1500 kids from 5 cities. We prepared 12 documents for lessons. Team 2905 believes, autism is not an obstacle in order to be involved in STEM. That's why a Maker Club is formed w/ 9 autistic children & their stories are combined with STEM.

What if the team can succeed to overcome all borders & reaches the world?

Beyond having a great impact on our community, Team 2905 have reached people across the globe. SOT introduced FIRST w/ Erasmus+ Project in Poland to 6 nations. SOT has mottos such as Sot Effect, Light up Your World, For Every Child & Make an Impact That Matters, to globalize the mission. We're cooperating w/ our sponsor Turkish Airlines PR Dept to deliver better service for passengers. Our imagination isn't limited only to this planet but also Mars. SOT designed Mars Rover Models w/ school graduates from NASA to find solutions by using renewable energy. Team 2905 now forms FRC Communities in 8 countries to create a universal SOT Chain. 2905 in cooperation w/ Sabanci Uni, will provide 3D Bioprinter tissues for children injured during the war in Syria.

What if this planet is the only chance for mankind?

"Look again at that dot. That's here. That's home. That's us." This universe is full of 'dots'! But this specific 'dot' belongs to us. We should ensure it for future generations. Team 2905 combined fashion, 3D Printing, robot bumpers & environmental problems such as air & water pollution by using SpongeSuit technology. SOT members formed Smart Cities, sent the plans to municipalities & the first steps taken. With project Step Up, Team 2905 intends to install energy producing systems in populated areas embedded within the floor. Our Arduino robot "Light Bin" created to raise environmental & disposables awareness using LED & sensors. For our school campus, we designed renewable energy based structures such as artificial trees to convert wind energy into usable electricity. SOT members work on wind turbines to charge the robot batteries. Team 2905 builds machines that generate water depends on the level of humidity & atmospheric temperature for countries. In our team, every member embodies the rule; Reduce, Reuse, ReCycle!

What if the team strives to "Make it Loud"!??

Make it Loud! This is what we've embodied for 9 years. 2905 & school will organize one of the biggest Maker Fairs in TR w/ sponsorship from prestigious companies! It's predicted that there will be +10k attendees. Team 2905 joined #ObamasToMWR18 Campaign to host Barack & Michelle Obama & speak in front of the whole USA & world. SOT affected the perception & perspective of +300k people in Maker Faire 16/17 & 19 other fairs, malls & 120M people using broadcasts & media. 2905 partners w/ community to spread the spark of STEM to neighbours down the street & across oceans.

What if the SOT Bond really is everlasting?

'When ideas worth spreading', SOT appears at the front of millions & start to tell the story. Team 2905 presented at TEDxReset Programme. There were millions but message was unique, "Forward but all together!"

A song is written by our team for FIRST & the lyrics reflects our perspectives, emotions & impact! From 'Toast it!' days to pizza parties, alumni & old mentors who visit us every week or to the sponsors, accept alumni to their companies. Team 2905 discovered a great bond between, "SOT Bond!"

What if the team makes an impact that matters!