



FIRST® LEGO® League

in Central Europa

www.vs-moel.de



HANDS ON
TECHNOLOGY

FLL IN CENTRAL EUROPE

7 COUNTRIES, 63 REGIONS, 860 TEAMS





FLL IN CENTRAL EUROPE

DEVELOPMENT (IN THE PAST 10 YEARS)

Year	Teams	Region/ Country	Part.	♀	♂
2015	870	63 (AT, DE, CH, CZ, HU, PL, SK)	6334	16%	84%
2014	835	57 (AT, DE, CH, CZ, HU, PL, SK)	5937	17%	83%
2013	811	57 (AT, BG, DE, CH, CZ, HU, SK)	6112	20%	80%
2012	846	54 (AT, BG, DE, CH, CZ, HU, SK)	5578	21%	79%
2011	813	55 (AT, BG, DE, CH, CZ, HU, SK)	5979	19%	81%
2010	740	52 (AT, DE, CH, CZ, HU, PL, SK)	5380	17%	83%
2009	668	42 (AT, DE, CH, CZ, HU, PL, SK)	4858	18%	82%
2008	614	42 (AT, DE, CH, CZ, HU, PL, SK)	4490	22%	78%
2007	460	32 (AT, DE, CH, CZ, HU, PL)	3220	20%	80%
2006	359	26 (AT, DE, CH, CZ, HU)	2658	20%	80%
2005	281	21 (AT, DE, CH, HU)	2127	19%	81%



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HISTORY OF THE COMPETITION

- > Idea developed by US foundation FIRST® and LEGO®
- > current issues of science and technology, for example: Energy Crisis, Climate Change, Food Security, Natural Disasters
- > Pilot Competition: 1998 USA, 2001 Germany
- > 2015/16: 30.000 Teams worldwide in more than 70 countries

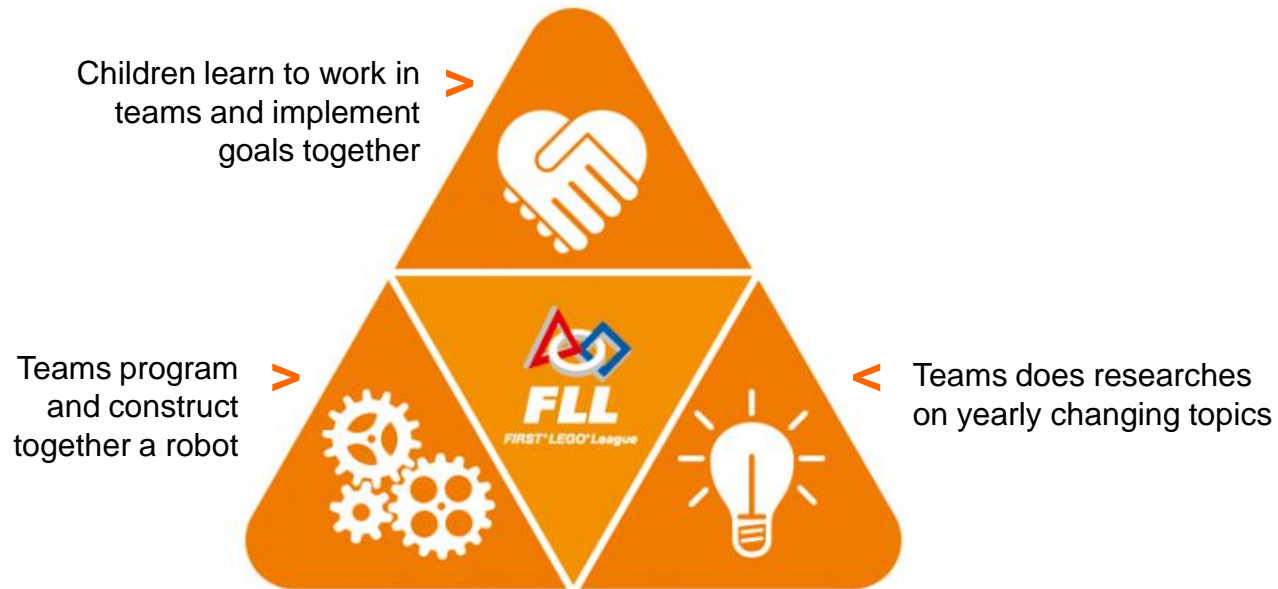




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IDEA OF THE COMPETITION



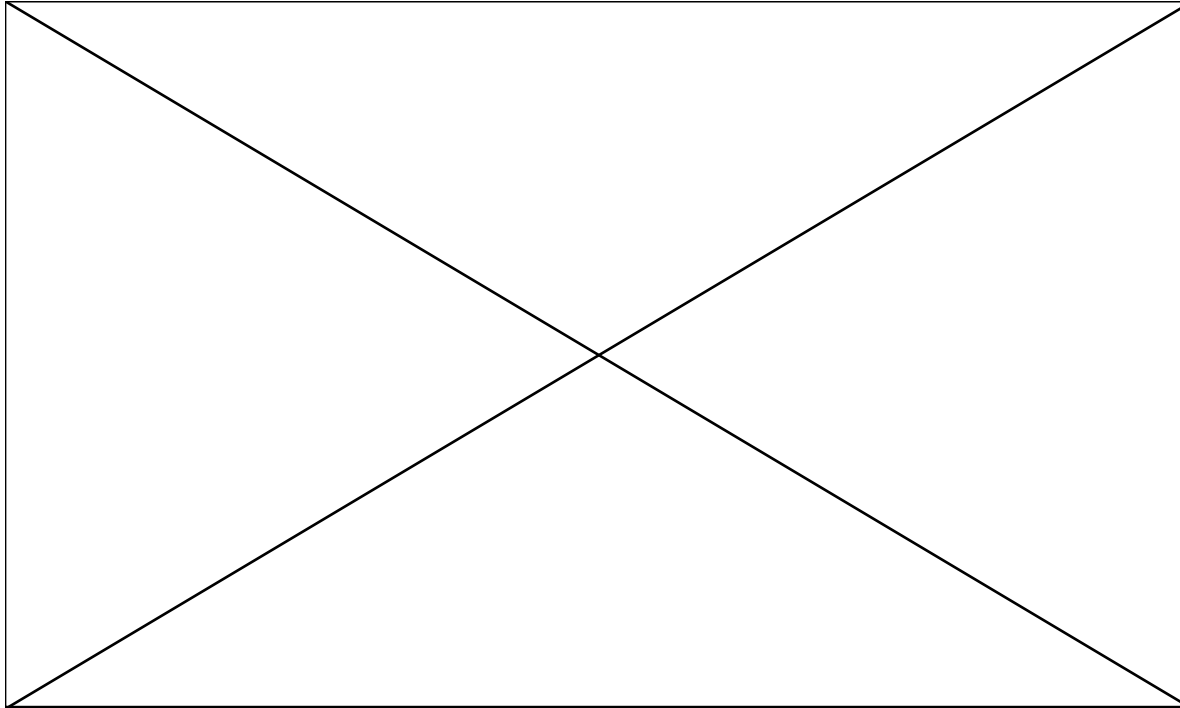


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IDEA OF THE COMPETITION (VIDEO / in German with English subtitles)

<https://www.youtube.com/user/FLLHot>





FLL IN CENTRAL EUROPE

CONDITIONS FOR TEAMS

- > the team consists of 3 to 10 members between 9 and 16 years
- > the coach is at least 18 years old
- > a LEGO Mindstorms Robot (RCX or NXT or EV3)
- > a FLL Playing Field – 129 € (plus shipment) - optional
- > Registration Fee – 135 €
- > a FLL Tournament Table (building instructions online) – optional
- > Time (at least 8 week of preparation + 1 day of competition)
- > Team Sponsors



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EVALUATION CATEGORIES



< In all FLL competitions 6 trophies will be awarded



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EVALUATION CATEGORY: RESEARCH

- > choice of a project related to the seasonal theme
- > research, expert interviews
- > drafting of proposed solutions
- > independent selection of the type of presentation (5 minutes)
- > evaluation by judges



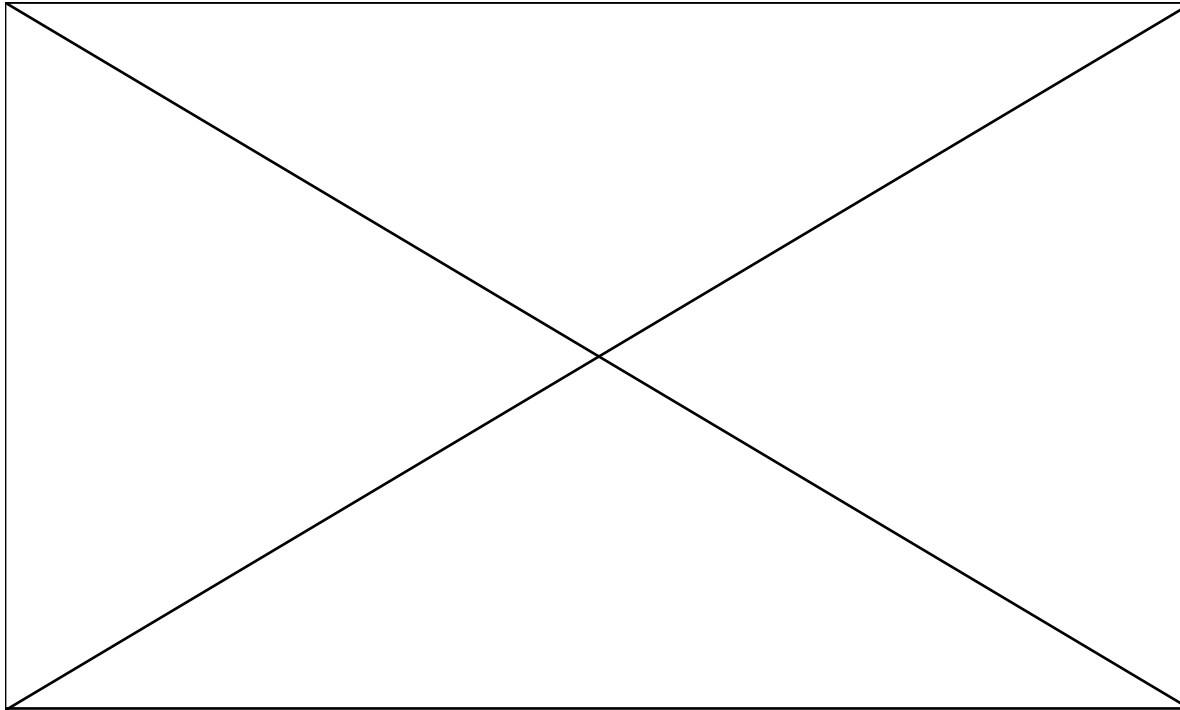


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EVALUATION CATEGORY: RESEARCH (VIDEO / in German with English subtitles)

https://www.youtube.com/watch?v=_G67d25TNI&list=PLwGsS-G5itGL-qZEuLYDgg9gjX3JyeigB





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EVALUATION CATEGORY: TEAMWORK

Teamwork is essential for the success

- > confidence, motivation and enthusiasm
- > ability to solve problems
- > understanding and respect for others
- > team interaction and group dynamics

always changing tasks





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EVALUATION CATEGORY: ROBOT DESIGN

- > innovative design
- > robust design
- > Programming





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EVALUATION CATEGORY: ROBOT GAME

- > in advance development and programming of a robot (LEGO Mindstorms RCX, NXT, EV3)
- > autonomous robot must solve a number of tasks on a playing field
- > one run lasts 2½ minutes (150 seconds)
- > Evaluation through referees & Roboter Check





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EVALUATION CATEGORY: JUDGES AWARD

Either for a team that ...

- > ... shows special endurance and even manage the most complicated situations.

OR

- > ... is a newcomer team. For teams that are participating for the first time in FLL challenges are greater than for experienced team.

OR

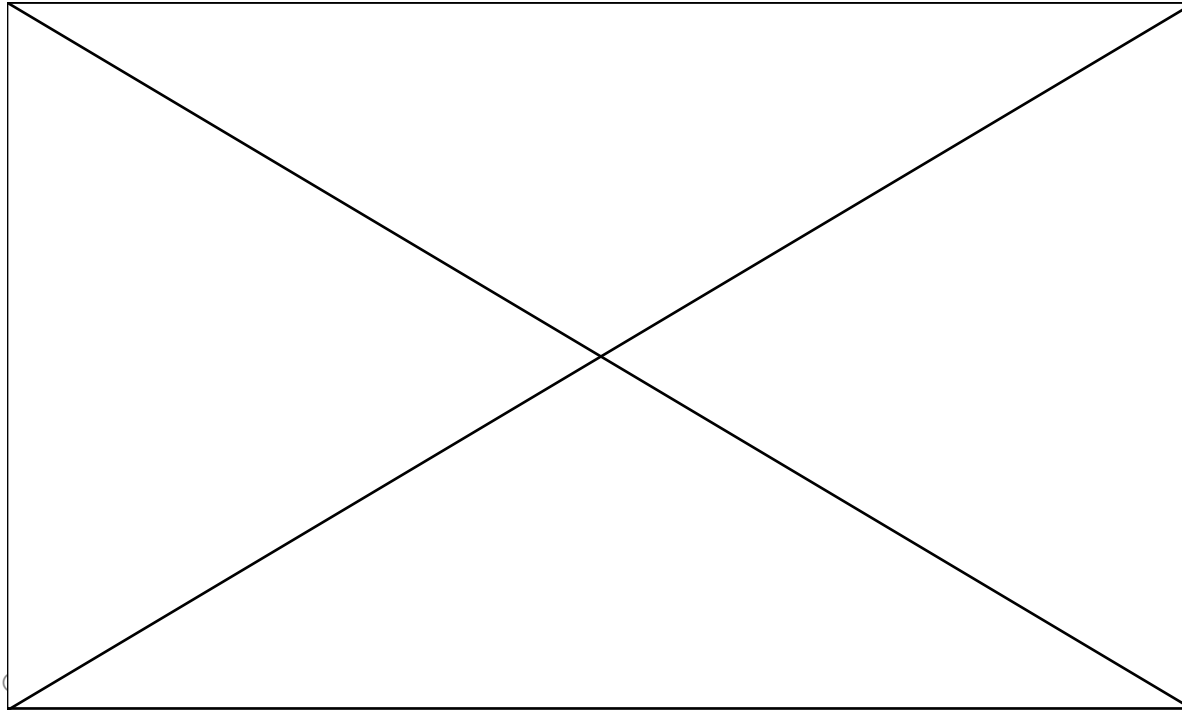
- > ... has excited the judges for another reason.



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HOW DOES THE EVALUATION WORK? (VIDEO / in English)

<https://www.youtube.com/watch?v=ALT8y4ewLnA&list=PLwGsS-G5itGL-qZEuLYDgg9gjX3JyeigB&index=4>





FLL IN CENTRAL EUROPE

QUALIFICATION MODE

FLL Final Central Europe

FLL Semi Finals Central Europe

3 to 4 teams per FLL Semi Final qualify for the FLL Final CE

- FLL CE Northeast
- FLL CE Southeast
- FLL CE Middle
- FLL CE South
- FLL CE West
- FLL CE Southwest
- FLL CE Switzerland

FLL Regional Tournaments

1 to 3 teams per region qualify for the FLL Semi Finals



FLL IN CENTRAL EUROPE

DATES FOR THE SEASON 2015/16

