Construction Kits

Build the robot fully using a construction kit for any of the Robotic Day competitions

1. Contest description
All Robotic Day contests are held in two forms:
Classic way – you build your robot from whatever you want
Construction kit – you select a general construction kit and build a robot fully using this kit. Your robot will then compete with other robots which are built from construction kits too.

2. Construction kit selection
The participants may use any commercial general construction kit (from now on: The Kit). Examples include, but are not limited to: Lego Mindstorms (any version), Fischertechnik, Merkur, and Meccano. There exist many more construction kits, so select whichever you want. However, The Kit used shall not be a single-purpose robot building kit, i.e. there must be nontrivial freedom in building the robot. The organizers have the right to approve/reject a Kit from registration; list of approved Kits is available on the competition website.

3. Parts and modules selection
The main parts of a robot defined for the purposes of this competition are:
- Mechanical structure
- Actuation
- Sensory
- Control
If the producer produces parts or certifies other producers to produce parts from any of the above mentioned categories, everything used from such category must be officially made or certified by that producer (this restriction does not apply to the Emergency switch defined in the individual competition rules). If the producer does not make or certify anything in a part category, the robot builders are in this category free to use whatever else.
The selection of parts for the mechanical structure is determining for describing which Kit is the robot build of.

4. If the number of robots passing the homologations is low, the organizers may merge the construction kit category with the standard one.

5. The "Construction Kit" rules shall be considered as optional addition to the basic rules released for all Robotic Day contests. Their individual rules remain valid as they are.