# IOT MARBLE RUN.

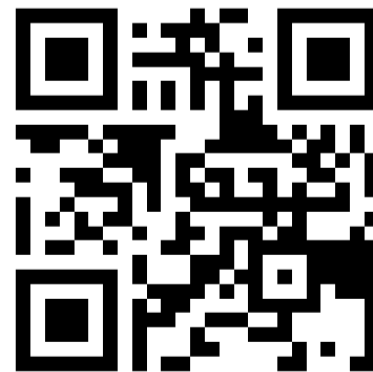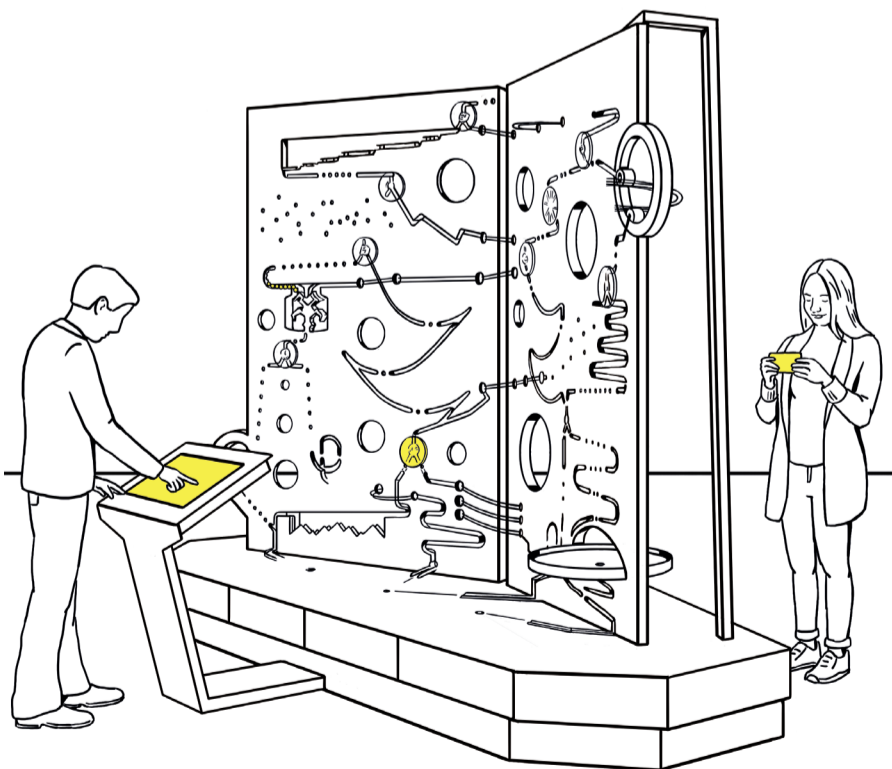**TAP** on one of the set of points on the tablet to change the course of the balls.
Can you adjust the points so that all the balls arrive at the middle target?

**CONTROL** single points from a distance.
Use your smartphone to connect to the network „Kugelbahn" (marble run) via the left QR Code. Then hack the points using the right QR Code.

You can control every set of points on the marble run by using the tablet which is connected to an internal network. If the „Kugelbahn" network were connected to an external network, the points could even be controlled from any location.

This marble run is an example for the „Internet of Things" (IoT), where all kinds of devices, such as the heating or the electric metre in a house, are connected to each other through the Internet. Such a house is then called a „Smart Home". Being able to remotely control home appliances is often useful. In this marble run, each set of points represents an individual device in IoT. Just as these points, devices in IoT can be hacked and controlled. Therefore, devices in IoT and private networks must be secured.

Connection to the „Kugelbahn" network.

Open the site http://kugelbahn.phaeno.de:8082/

Idea: phaeno; Construction: Archimedes.

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