

Press Release  
ITQ at SPS IPC Drives, 27.-29.11.2018 (Hall B4, Booth 260)

## Presse Release SPS IPC Drives 2018

### **Enjoy Industrie 4.0 live**

**From 27.-29.11.2018, ITQ GmbH is presenting its new Smart Air Hockey Demonstrator at the SPS IPC Drives. The demonstrator has been realised in cooperation with AMK Group and offers visitors the chance to enjoy Industrie 4.0 live.**

*Garching, November 2018*

This year ITQ GmbH will be also present at the joint booth of Bayern Innovativ (**Hall 6, Booth 260**) at the **SPS IPC Drives fair (27.-29.11.2018)**. The new Smart Airhockey Demonstrator will give visitors very close and live insights into how Industrie 4.0 and Artificial Intelligence feel like.

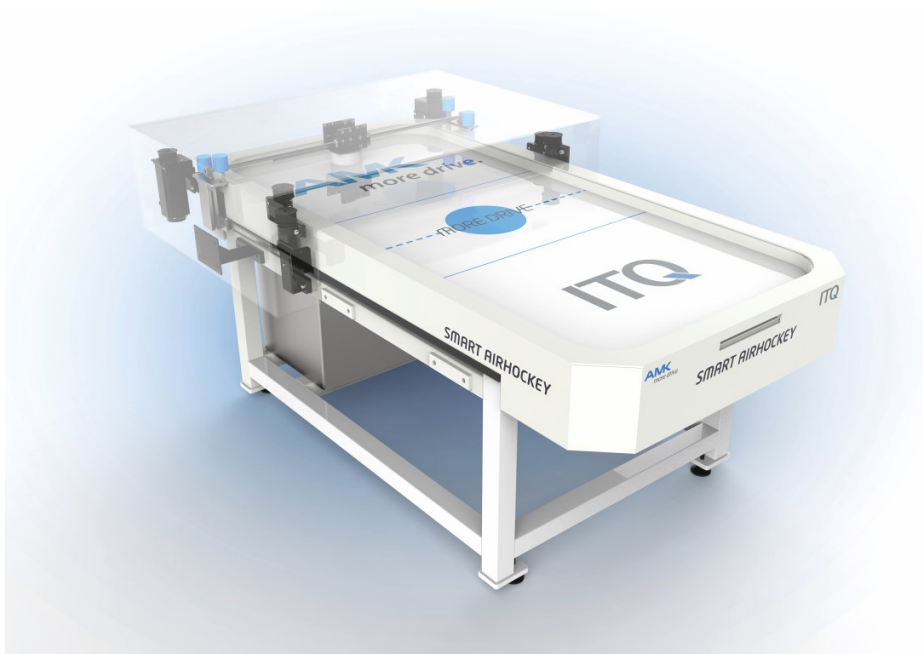
The joint [AMK](#) and ITQ project is an example for today's engineering and has been steadily developed in iterative steps by an international and interdisciplinary team of students in close collaboration with the University of Aalen within only six months. At the SPS IPC Drives two variants of the Smart Air Hockey Demonstrator will be presented: The "easy game variant" (ITQ) and the "big demonstrator" (AMK), which weighs up to 1,000 kg (1t). Visitors will find the latter one in **Hall 4, Booth 210**.

With the new demonstrator, a vivid trade fair demonstrator has been realised, presenting "Machine Learning" with a fun factor. Arcade atmosphere at the fair, realized by students with their own hands. The new Smart Air Hockey will demonstrate how IoT and automation related powertrain components are interlinked. The aim is to expand the range of IoT and automation-related demonstrators and thus to illustrate the already present ubiquity of IoT in everyday life.

Visitors can battle with the Smart Airhockey and try to putter the puck. With the help of camera systems, the movement distance of the puck is detected and the shuffle bat moves with the help of the drive motors lightning fast to defend its goal. Both variants prove that innovations can be realised in a very short time with the help of an agile engineering approach.

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In the age of **Industrie 4.0 and Education 4.0**, new corporate and training concepts are needed. In order to meet the technological requirements of software intensive, mechatronic systems and products, companies need suitable structures, sophisticated development processes and, in particular, motivated and well-trained employees.



*Picture: Smart Airhockey Demonstrator*

Recruiting and retaining them is one of the most important tasks of a company nowadays. Industry-related projects with national and international universities and colleges of all kinds are suitable for bringing industry and higher education closer together. If these are taught with a technologically very demanding, but at the same time also "playful" content, everyone will benefit from it.

In addition to practical training, students can also benefit from gathering first experiences in project management and working across different disciplines. Companies benefit from the enthusiasm and future orientation of the "digital natives". All in all: Recruitment and practical training during their studies. Or: Win-win for both sides.

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## About ITQ GmbH

Founded in 1998, ITQ GmbH is an independent engineering and consulting company with a focus on automation, mechanical and plant engineering. The experienced team of experts specializes in interdisciplinary problem solving related to software and systems engineering. Its core competencies include software engineering (analysis, design, implementation, testing) and process improvement as well as project and crisis management as well as consulting and coaching.

A special concern of ITQ is both requirements-oriented and forward-looking training as well as continuing education concepts, which already start with the younger generations. Therefore, the company promotes young academics in practical study projects as well as technical workshops for children, pupils and refugees through their Gerda Stetter Foundation - Technology is fun!

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## More Information:

[Smart Airhockey Demonstrator – ITQ Homepage](#)

[SPS IPC Drives 2018 – Mesago](#)

[AMK Group – Homepage](#)

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