UNESCO

Introduction to Fundamental Industry Training Center, Tsinghua University

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(中心西侧展示厅)

Good afternoon my honored guests. Welcome to Fundamental Industry Training Center of Tsinghua University. I’m Yang Jian-Xin, the minister of Innovation in this Center. Now please allow me to give you a very short introduction to our Center.

Fundamental Industry Training Center is an independent institute of Tsinghua. The mission is to provide engineering training service for all related students in Tsinghua University. Each year, there will be around 1,000 students participated in various kinds of engineering training course.

Besides, our center is a national center for training vocational school teachers. More than a hundred colleges and institutions around China send their teachers to take the training course we provide.

In recent years, as more students on campus are willing to become an entrepreneur, we are gradually transforming into a educational institution especially for tech-intensive startups. Now I would like to show you a three-minute video to demonstrate what we are.

(Tsinghua i.Center makerspace video)

Thanks for your time.

During our next session, I would like to give you a tour round our facilities. So, please follow me this way.

(精雕工作室)

* Same brand machine purchased by Foxconn to manufacture the iPhone 5 and iPhone 6 casing.
* We kept a very intensive relationship with Beijing Jingdiao Inc. and last year, we establish a joint lab here.
* Students are well trained with the latest industry-level machines.

(团队训练室)

* Project-oriented, challenge-based
* CDIO methodology

(3D打印工作室)

* Industry level 3D printer
* Public service
* Work with students from Art School, Architecture School, etc.

(沈阳机床加工中心)

* Industry level machining center, donated by one of the largest equipment manufacturer.
* Joint research on internet enabled industry system

(ODG制造系统)

* Automated manufacturing system
* Intensive collaboration between industry and university

(车间中心路口)

* Students works
* Engineering training for Tsinghua Students
* Training for engineers in colleges and universities nationwide

(新大楼)

* Keep upgrading our facilities
* More automated and internet enabled
* More facilities will go public
* Cloud service and distributed learning system

(创客空间及极限学习过程)

* Long-term cooperation with Professor Koo from Dept of Industrial Engineering
* A crowd-learning methodology that will enable the next generation engineering education