

CUBILOG

A CLOUD BASED DATA ACQUISITION AND CONTROLLING SYSTEM

The Runners-Up of Telekom Innovation Contest at a Glance

MARKET SITUATION

In industries such as home automation, agriculture or urban infrastructure management, automation is an essential success factor. Managing a variety of tasks and maintaining complex data collection, data processing and control systems in an effective way can be crucial for individuals, SMEs as well as multinational enterprises. However, solutions available on the market today are often complex and expensive, therefore making them either unaffordable or unfeasible for the users. Additionally, a low level of innovation in this field leads to a lack of creative solutions that are flexible and affordable at the same time.

CUBILOG'S SOLUTION

Cubilog entered the Telekom Innovation Contest with an ultramodular hardware and cloud based software. During the last six months, the hardware design was finalized and the prototype is now ready for small scale production and a pilot, both scheduled for the first quarter of 2014. The software is in an advanced status, with a dashboard editor being ready and the workflow editor being in beta status. Currently, the team is working on a graphical drag and drop editor. The final product is going to be launched at the CEBIT 2014 in Hanover, Germany.

USER SCENARIOS

There are unlimited scenarios in which Cubilog can support customers to easily manage



their complex tasks. Whether its monitoring patients at a hospital, energy and security management at home or automating agricultural processes to optimize production. Cubilog can be used as an ammonium sensor or ventilation alert on chicken farms since a 20 percent increase of ammonium slows down growth of chicken up to 50 percent. Farmers can use Cubilog as a ground humidity sensor to initiate irrigation or ventilation since for tomatoes, irrigation with an optimal timing leads to a 20 percent harvest increase. In home automation, Cubilog's solution can be used for energy management, for security increases, as a climate control tool, to manage lights or to control additional connected devices. Tests showed that the consumption of energy can be reduced up to 30 percent using Cubilog.

TECHNOLOGY AT A GLANCE

Cubilog combines an ultramodular hardware and a cloud based software. The data acquisition and control hardware consists of:

- Wifi Communication Module
- 3G Communication Module
- Generic I/O Module
- Power Supply Module
- Sensor Package
- Sensor (PH,CO,AM) Development
- Camera Module
- RF Communication Module

The hardware set offers numerous possibilities to integrate cameras, smoke detectors, light sensors, gas analyzer and much more.

CUBILOG

“We are working hard to make Cubilog one of the biggest global M2M platforms in the world in 2 years.”

Zoltan Rendes, Cubilog



LIFE IS FOR SHARING.

TELEKOM INNOVATION CONTEST

TELEKOM INNOVATION CONTEST 2013

Mission:

- Telekom Innovation Contest is a global idea contest run by Deutsche Telekom targeting start-ups, students and individuals. The winning idea will be developed into a real service using resources of the Deutsche Telekom network worth up to 500,000 Euro.

Partners & Supporters:

- Telekom Innovations Laboratories in Germany, T-Mobile Poland, Magyar Telekom in Hungary. hub:raum Krakow & Berlin, Kitchen Budapest, EIT ICT Labs

Dates:

- Start in February 2013
- Finals in June 2013
- Product presentation in December 2013

Results:

- 444 entries from 45 countries
- 12 finalists from ten countries
- Winning idea: Excalibur from Slovakia
- Runners-up: Cubilog from Hungary and Codeatelier from Germany

Information:

- www.telekom-innovation-contest.com
- www.facebook.com/Innocontest



The intuitive and easy-to-use cloud-based data processing and control software includes features such as:

- Database
- Dashboard and workflow editor
- Workflow Engine
- Datamining, business intelligence
- Image processing
- Android Client
- iOS Client

BUSINESS MODEL

Cubilog's business model is based on three revenue streams: hardware sales and third party license commissions, cloud services such as extra storage, auto archive, BI features and revenue from end users, e.g. through advertising or data services.

OUTLOOK

Cubilog is now aiming for a partnership with a global data service provider, appearances at conferences and expositions to broaden their reach and various pilot opportunities.



"I am very proud of the creativity of the Hungarian applicants, they made success in a very strong international field. Cloud based data collection and control system, Cubilog came out second. I am confident that we will keep in touch and help them with our expertise and resources. Magyar Telekom believes in this idea and will support pilot and development of the project in T-City Szolnok (Hungary)."

Róbert Pataki, Member of the Jury, Chief Business Development Officer of Magyar Telekom