

Evonik opens third dimension to classrooms worldwide

November 16, 2017

- Evonik presents a new generation of the cyber classroom at international science conference in Tokyo
- Virtual education content can now be called up via internet
- All interested parties can now participate in creation of three-dimensional learning content

Silke Linneweber
External Communications
Phone +49 201 177-3389
Silke.linneweber@evonik.com

Markus König
Brand Communications
Phone +49 201 177-2227
Markus.koenig@evonik.com

Many a budding chemical career never made it past the classroom: The reasons were plenty, sometimes as simple as a lack of teaching materials or a lack of time for experiments. In 2011, the specialty chemicals company Evonik introduced a third dimension in chemical education, the Evonik cyber-classroom. Now, at the Science Centre World Summit (SCWS) in Tokyo, the chemicals company from Essen has gone one step further and the cyber classroom no longer requires a separate IT system. This means that three-dimensional chemical education is now available online for schools who wish to use it. And there's more: Teachers, students, and scientists are invited to participate in designing their chemical education.

The world is three-dimensional, and chemistry is too. In recent years, all students who received instruction in a cyber classroom were able to see this for themselves: Observing molecules and atoms from all sides, viewing complex experiment set-ups with chemical substances quickly and at no risk. Evonik has provided a new dimension in chemistry class. With the new Cyber Classroom 2.0 which Evonik presented in Tokyo, this option is now open not only to schools but interested parties are also invited to shape the content themselves.

Markus König, project leader at Evonik, said at the SCWS: "In the past, the principal hurdles were of a technical nature but now, the task is to generate three-dimensional content for every online-capable platform." He emphasized that this work step can be carried out easily and intuitively using any internet connection.

And the idea behind it: "Capitalizing on the wealth of knowledge available in the world" – as has already been done in the topical

Evonik Industries AG
Rellinghauser Straße 1-11
45128 Essen
Germany
Phone +49 201 177-01
Fax +49 201 177-3475
www.evonik.com

Supervisory Board
Dr. Werner Müller, Chairman
Executive Board
Christian Kullmann, Chairman
Dr. Harald Schwager, Deputy Chairman
Thomas Wessel
Ute Wolf

Registered Office is Essen
Register Court Essen Local Court
Commercial Registry B 19474

projects supported by Evonik during the past five years: Specialist teachers, specialists from the chemistry sector, and students work together. The new platform enables online collaboration on projects and creation of digital educational content. This allows the users to become participants and co-developers – thus enabling them to acquire digital media competency.

The formula is referred to as “CyberDevTool” – which stands for Cyber-Classroom Development Tool. Technical support for the project is provided by Imsimity GmbH, the inventor of the award-winning cyber classroom. Access is via standard technology such as conventional 3-D monitors or VR glasses and games console controllers – therefore not only suitable for the classroom but also for individual use on home computers.

Evonik will provide this learning platform worldwide as part of its commitment at selected sites to ensure more fun in the natural sciences at the company’s partner schools. Markus König encouraged the participants at SCWS2017 to use their personal, free-of-charge access code from the Evonik “developer set” to help shape new topics.

Evonik itself is planning to apply this technology in the areas of research and development, marketing and sales, and education and further training.

The Science Centre World Summit is a global meeting of employees from scientific centers, museums, universities and research institutes, and representatives of governments, industry, international institutes, non-government organizations, non-profit organizations, and the media. It takes place every three years. Approximately 500 participants from 50 countries attend.

www.evonik.de/cyber-classroom

Company information

Evonik is one of the world leaders in specialty chemicals. The focus on more specialty businesses, customer-orientated innovative prowess and a trustful and performance-oriented corporate culture form the heart of Evonik's corporate strategy. They are the lever for profitable growth and a sustained increase in the value of the company. Evonik benefits specifically from its customer proximity and leading market positions. Evonik is active in over 100 countries around the world with more than 36,000 employees. In fiscal 2016, the enterprise generated sales of around €12.7 billion and an operating profit (adjusted EBITDA) of about €2.165 billion.

Disclaimer

In so far as forecasts or expectations are expressed in this press release or where our statements concern the future, these forecasts, expectations or statements may involve known or unknown risks and uncertainties. Actual results or developments may vary, depending on changes in the operating environment. Neither Evonik Industries AG nor its group companies assume an obligation to update the forecasts, expectations or statements contained in this release.