

IdeenExpo

What does Salzgitter AG have to offer in Hall 9

3D Cave

Salzgitter AG is presenting a tour of the low CO₂ steel production of the future. Virtual reality is used to enable an experience of the technical revolution and the resulting changes in the plant configuration of the Salzgitter integrated steelworks. A highlight is the SALCOS® project that is aimed at directly avoiding CO₂.

Steel powered by electricity

Electronics engineers specialized in automation technology create programmable controls and take them into operation during their Storage Training. Does that sound interesting? You can build your very own robot here, encode it, and have it dance to your favorite music.

Safe with steel

Huge forces bear down on steel constructions. This is why ever greater requirements are placed on steel as a material. With this tensile test, you can see for yourself how much steel can be stretched while nevertheless retaining its great strength.

Steel shifts

Millions of tons of coal, iron ore and steel are shifted in an integrated steelworks. As the train driver, you will be driving real routes in a large simulation facility and can put your maneuvering skills to the test.

This is what happens with steel

How are steelworks laid out? What products are manufactured? We will show you the entire production sequence with our interactive steelworks model.

Raw materials pedestal with steel tree

Have you always wanted to know what steel is actually made of? Then this is the right spot for you. Get the mixture of components right and win a great prize.

Steel engenders happiness

PET bottles are light, do not break and have made great inroads in replacing glass bottles in recent years. They are made in a thermal process. This booth will show you how a PET bottle is made. A blow molding machine uses a blank to blow a PET bottle in the shape of a lucky pig.

Changing the format

Virtual reality – our “Changing the Format” exhibit – comes under this motto. With the aid of VR glasses, you can easily see the change in the format of a bottling line and then subsequently translate this into reality.

Education and training in the Group – “BE A PART OF SOMETHING BIG”

“BE A PART OF SOMETHING BIG” – the Salzgitter Group will provide information on joining the Salzgitter Group under this motto. The Group promotes the education of school children and students throughout the entire education chain, from primary school through to university. The emphasis is placed on awakening interest in natural sciences and technology. Examples are the long-standing programs with selected partner schools and cooperations with universities and colleges. These programs start with introductory courses in training workshops for school children and go through to internships, studies and examination work with in-depth mentoring.

In 2018, the Group had around 1, 500 apprenticeships and training relationships. Vocational training or degrees that combines theoretical and practical experience are possible. School leavers are not the only ones to be recruited. Trainees come from all sections of the population.

Further information: www.etwas-grosses.de

Profile of Salzgitter AG

Salzgitter AG ranks as one of Germany's companies rooted in a long tradition. The company's business activities are concentrated on steel and technology. It has evolved into one of Europe's leading steel and technology groups through sustainable internal and external growth. Worldwide, the Group comprises almost 160 subsidiaries and affiliated companies.

The Group, headed by Salzgitter AG (SZAG) as the holding company, is divided into the five business units of Strip Steel, Plate / Section Steel, Mannesmann, Trading and Technology.