AVEVA

AVEVA keeps FZETA at the forefront of structural steel design while enhancing the quality the company has always been known for.

FZETA - www.fzeta.com
Industry - Engineering

Goals

- To go with a market leader in software solutions.

- To safe-guard themselves against difficult economic years.

Challenges

- Needed to maintain competitive edge in an industry constantly growing.

- Couldn't spare too much time on training.

AVEVA Solution

- Bocad

Results

- Automatic creation of accurate production deliverables eliminated sources of error, and kept projects on schedule.

- The need for costly rework is diminished thanks to AVEVA's powerful clash detection abilities.

- FZETA can now visualise a 3D version of an entire structure.

AVEVA helps FZETA take its competitive edge even farther

Treviso, Italy – Based near Treviso in northern Italy, FZETA is an innovative structural detailing company serving international clients on many prestigious projects across a number of industries, including architectural, transport, oil & gas and power.

FZETA specialises in, and excels at, the kind of complex structural steel projects that others struggle with. Such competitive advantage is increasingly valuable as the AEC sector drives towards ever more sophisticated design, so FZETA needed a tool that would keep them at the forefront of their industry. They chose AVEVA Bocad.

A good investment

FZETA recognised that AVEVA Bocad's market-leading power and sophistication required a longer learning curve, but they also regarded its long-term advantages as a decisive investment. Once trained in its use, the company's designers confidently and efficiently execute the most complex projects for a variety of industries.

Business benefits

AVEVA Bocad's ability to handle a wide variety of complex designs is an important business driver, mirroring FZETA's own unique selling proposition.

While its competitors struggled during the difficult years following 2007, FZETA's versatility and large market footprint enabled it to grow steadily. Using AVEVA Bocad, FZETA can visualise the entire 3D model of a structure, to quickly locate key information such as weld identification or specific details of joints.

Automatic creation of accurate production deliverables eliminates sources of error, helping to keep the project on schedule. FZETA also appreciates Bocad's powerful clash detection capabilities; the ability to specify clash tolerances and accessibility dimensions reduces checking time and the risk of costly rework.

Key projects

Over the years, FZETA's projects have grown considerably in both complexity and tonnage. One of its first was the challenging curved structure of the Tronchetto Bridge in Venice, comprising multiple unique diaphragm plates and bridles. AVEVA Bocad enabled an optimum detailing process that not only saved time, but also enabled FZETA to go on to detail many more bridges of all types.

In 2014, FZETA completed the impressive geodesic roof structure of The King Abdullah Financial District Conference Centre in Riyadh, Saudi Arabia. AVEVA Bocad not only handled all the many complex and unique cylindrical, box beam and drum node connections, it also automatically generated the weld preparations and the vast number of detailed section views needed on the fabrication drawings.

FZETA was also contracted to detail the roof arches of New York's World Trade Center Transportation Hub. These arches consist of continuously twisted steel sections that run from one end of the building to the other.

The project client's belief that only AVEVA Bocad could execute such sophisticated geometry was borne out by on-schedule, right-first-time production and construction.

aveva.com