3R

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# RoniBuilder Taking CAD to the Next Level

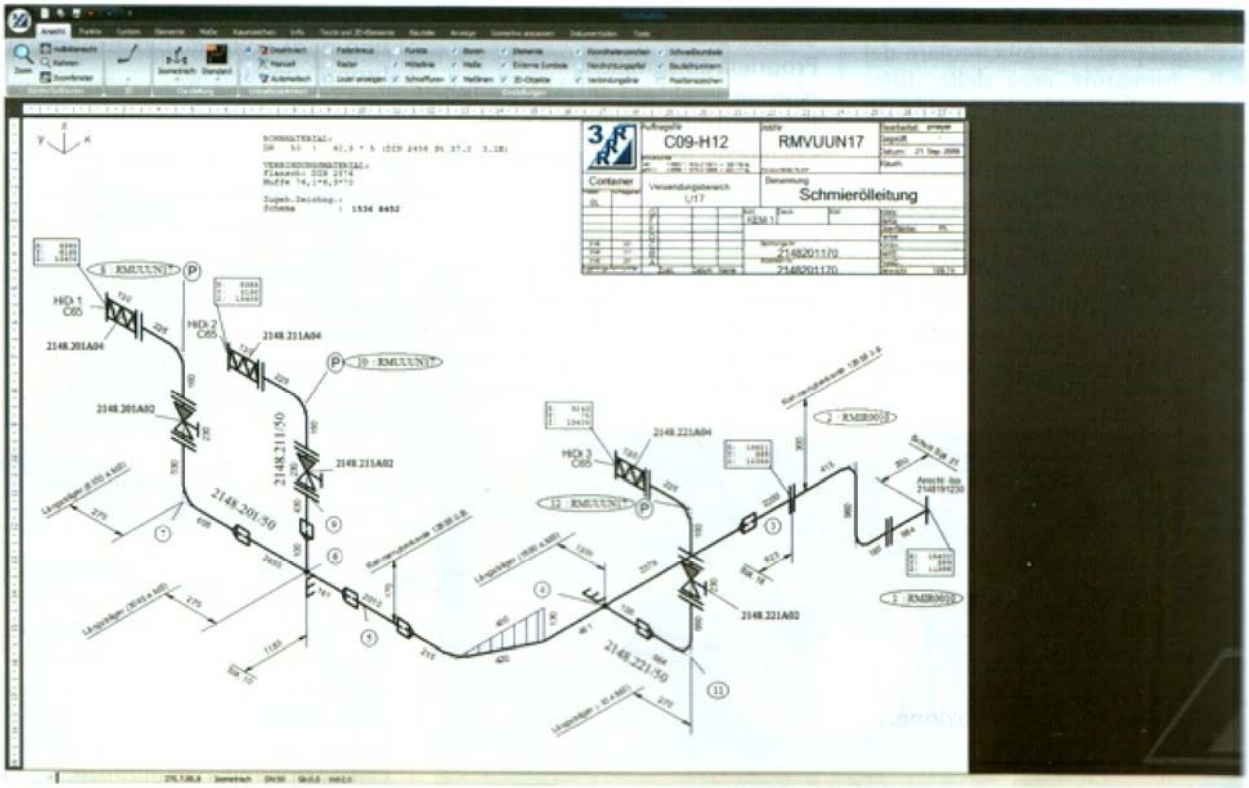
*Computer-aided design (CAD) has become an indispensable tool for the tube and pipe industry. The ability to construct complex pipeline systems or complicated spools with a few simple mouse clicks or keyboard commands, instead of drawing boards and hand-drawn sketches, makes the entire process convenient and time-efficient. Because of this virtually every company dealing with tubes and pipes uses one or more of the various CAD-platforms that are available on the market.*

*However, while each of these systems offers a multitude of helpful and convenient functions, none of them was specifically designed for the tube-building industry. Usually essential functions are either not present at all, or are included in additional modules, which have to be individually purchased.*

*And while the CAD applications provide beautiful 3D-models or isos, there usually is no way to actually utilize these models in fabrication, as they do not include any of the required data.*

*It is for this reason that 3R software solutions developed RoniBuilder. A further development of the powerful RoniCAD software, which is used in workshops all over the world, RoniBuilder includes all of the functions of its predecessor, while streamlining the user interface. The functions and features were developed specifically for tube-shops, giving the user exactly the options that he or she needs.*

*And for each spool all fabrication-relevant data can be extracted. Cutting lists, bending lists, part lists, welding documentation, CNC-data for the various machines, all can be calculated from the iso, and exported to the workshop. In combination with the 3R workshop control system RAMP the need for worksheets and printouts for the tube shop can be eliminated entirely.*

*RoniBuilder uses a database containing the tubes and fittings that are actually used by the customer, giving the user the option to choose exactly the types of material that he has available. A large number of interfaces to various other CAD-platforms allows integration into the existing IT-structure, including adaptation of existing databases.*

*RoniBuilder takes CAD to the next level. Instead of just designing tubes, the user can now design the tubes, optionally use the RoniKolli7 bending simulation to test them for producibility, and then transfer the fabrication data to the workshop, all with one application. Or he can import the tube he created with a different application, extract all relevant data, and then transfer this data to the workshop. In addition interfaces exist to import data from the mobile drafting platform RoniDraftBoard and the measuring system RoniTubeFit, to allow optimal use in tube shops.*