



ASETS-LUX

.....enhancing
design productivity in the plant engineering world

**Luxembourg
University start-
up ASETS-LUX's
innovative design
platform enables
higher
competitiveness."**

IDS

INTEGRATED DESIGN SOFTWARE IDS™

SCHEDULE AND ANNOUNCEMENTS

ASETS-LUX is a cloud-based engineering simulations technology company. Their mission is to give engineering firms an exponentially more productive way of performing efficient design. The core challenge being addressed here could be summarized thus. In the lifecycle of any plant - chemical, petrochemical, refinery, power - each stakeholder has different objectives; the plant owner needs early commissioning for early revenues, plus reliability of equipment and economy of operations with maximum plant productivity. The engineering companies need to be competitive while bidding and competent during execution. The common factor binding these two seemingly diverse objectives is efficient engineering.

The prime constraint to efficient engineering is existing technology. While technology is supposed to be an enabler, its limitations hamper efficiency. There are several technology tools in the market, each addressing a different aspect of plant design. Each works independently and each has its own limitations. Collectively, they form a boundary within which only incremental productivity improvement happens and beyond which it is technically not possible to get quantum improvement.

ASETS-LUX's answer to this is its Integrated Design Software (IDS). An end-to-end platform encompassing process, piping & structural design, with comprehensive functionality on ONE unified platform. Some technical highlights of IDS are:

- No dependencies hence no limitations of other tools & technologies- Reduced CAPEX.
- Faster parametric modelling, smart automations make for speedier design
- True, integrated multi-disciplinary design environment, via seamless exchange of design data across disciplines
- Integrations with external platforms such as AVEVA & Tekla extend the benefits of IDS beyond its boundaries

Predictive analysis to save time in design iterations and optimization
Innovations in each design discipline significantly enhance engineering productivity, while the integration of multiple disciplines through shared design data leads to a quantum boost in overall engineering speed, accuracy and predictability. A fast and efficient design process results **in lower costs and improvement in engineering capacities for the engineering firm. Faster engineering leads to faster commissioning** which means revenue generation earlier in the cycle. Better design means reliability and lower operating costs of equipment, which add up to higher profitability.

A technology partnership with AVEVA, the Market leader in plant modelling software, is key to ASETS-LUX's technology roadmap as well as its Go-To-Market strategy. With a platform that is integrated as a plug-in to AVEVA's E3D suite, ASETS-LUX offers a truly integrated plant modelling, analysis & design experience.

Furthermore, that enables the ready and extensive global installed base of E3D users, to access a simulation solution that is a logical extension of their familiar modelling environment. ASETS-LUX is featured on the AVEVA Digital Exchange.

The platform, with its AI-enabled algorithms, has been built for scalability, both in terms of more tools within each design discipline as well as additional innovative features
Having collaborated with University of Luxembourg and DLR, with a strong backing of Fonds Nationale Recherche Luxembourg, ASETS-LUX is set to put Luxembourg at the centre spot, with its innovative integrated Design Platform for industrial plants, in the verticals of Pharmaceuticals, Oil & Gas, Chemical, Food & Beverage and Water Engineering.