

'Real Industry' Vs. Industrial simulators



Meptagon Group overview

1960

Established



Private Company

€140M

Turnover

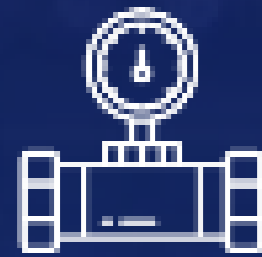


DAN's Rating 5A1
Score 98



Worldwide activity

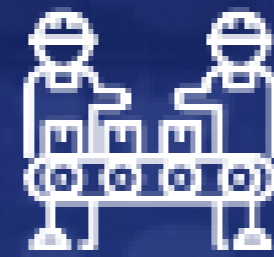
SERVICES



Process Piping
& Mechanical



Instrumentation
& LLV



Engineering



Electrical
High & Low



Automation,
Security & Cyber

RESOURCES

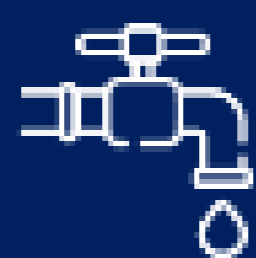


1,000
Employees

SECTORS



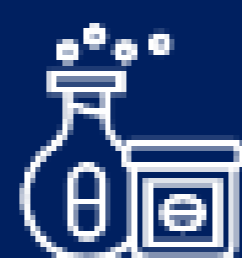
Green
Energy



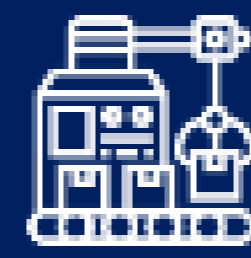
Water &
Desalination



Food &
Beverages



Pharmaceutical



Industrial
Manufacturing



Oil, Gas
& Power



Semiconductors



Bio
Technology

Meptagon Group segments

Meptagon LTD



Design & Engineering services

Process engineering

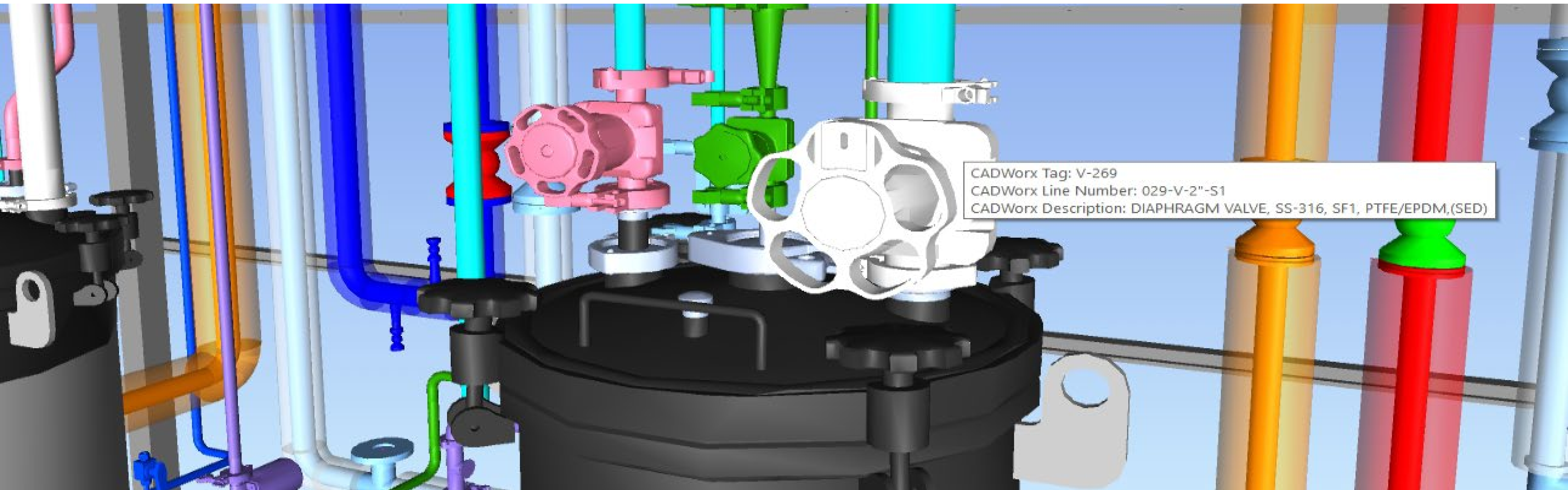
BIM services & detailed engineering

Management and supervision services

Engineering package services

Smart P&ID

All engineering information is linked and there is mutual information flow from one knowledge center to the others



CADWorx Tag: V-269
CADWorx Line Number: 029-V-2"-S1
CADWorx Description: DIAPHRAGM VALVE, SS-316, SF1, PTFE/EPDM,(SED)

Augmented Reality



- Interactive integration of virtual elements in the actual environment on real-time
- 3D integration, laser scanning and augmented reality tools as part of Meptagon's design toolbox. These advanced tools enable us to create a complete picture of the project prior to its beginning
- Augmented reality for achieving greater precision and better simulations
- Conflicts are being checked with the objects on the ground, operations and accessibility

Design and Implementation of 'real' industry – principles

- Performance / Budget – ROI aspects
- Long term use – Durable and Scalable
- Intended for one purpose – Production (single product or batches capabilities)
- Stakeholders - relatively clear

About Advanced Technologies Division

We deliver leading integrated low voltage, security and management systems, from design, installation and maintenance services

Our division provides turnkey solutions, innovative and advanced technologies, **tailor-made for customer's requirements and needs**



PUBLIC SECURITY SOLUTIONS
& MANAGEMENT SYSTEMS



CYBER SECURITY in
OT SYSTEMS



OPERATIONAL, CONTROL &
AUTOMATION SYSTEMS

Our first Simulator – for Industry 4.0 and Cyber sec.



Industrial simulators - more examples



Our latest simulator

- **Portable** – implemented in ‘suitcase’
- **Fast implementation**
- **Versatile use**
- **Cheap**



'Real' industry Vs. simulators - summary



- Investment
- Scalability – growing capabilities
- Production

- Stakeholders - constant

- Expenses
- Flexibility of use – generic platform
- Different use:
 - Tools development
 - Patches influences check
 - training

- Stakeholders - changing





Thank You

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