

Verhaert New Products & Services N.V. is an expert in design & development of first of a kind products.

Since 1969 the company has developed over 500 first generation products in various sectors ranging from medical, industrial, space & aeronautics to consumer.

In 1990 Verhaert started offering product development services for space market segments. Until 2005 a space & industrial business was kept parallel to each other but in 2005 Verhaert sold Verhaert Space to the QinetiQ Group.

We have a unique development approach on top of the classical V-development model covering :

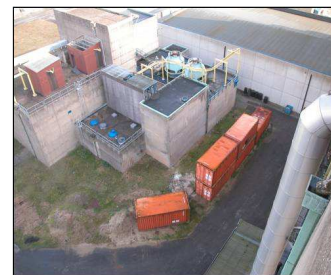
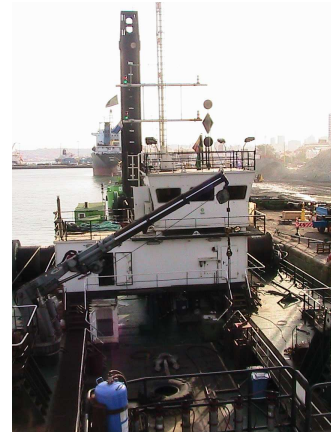
- System level
- Concept level
- Detailed design
- Prototyping
- Concept testing
- System testing

Our skills are multidisciplinary : mechanical, electrical, electronics, software and applied mathematics (algorithms for signal processing & detection) & physics (e.g. optical instruments). Our capabilities range from classical simulation (FEM, CFD, raytracing, ...) to co-simulation of physical models & control models.

With references in tight **system integration in critical applications** due to our space history, fault tolerant design with high reliability.

In **mechatronics** these design & development services in special critical environments lead to references such as Belgoprocess, BASF, Dredging International, ...

In **instrumentation** these services lead to high precision optical instruments for several customers in the diamond industry, Burk E. Porter in automotive and Airbus in aviation.



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