

# The COMPANY PROFILE

**2019**



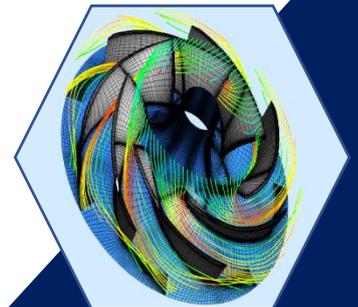
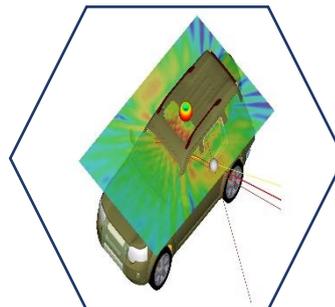
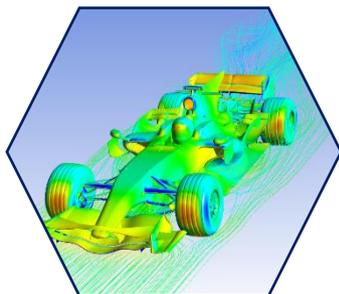
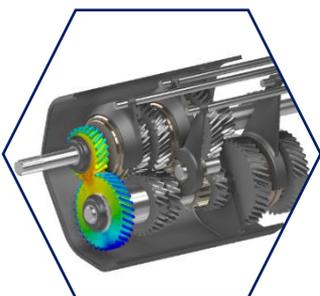
# About Us

**Effective  
Technologies  
For Business Success**

Qantur Technologies is an authorized Partner for ANSYS software in the India, Srilanka & Bangladesh and is approved reseller for AlphaSTAR products in United Arab Emirates & India. Company is able to offer powerful Modelling solutions in combination with truly customer-oriented support services. With a uniquely practical approach, Qantur Technologies supplies and directly supports a growing client base within these regions.

Qantur Technologies activities expand to encompass the full range of development, production, consultancy and support services offered to a broadly-based engineering community throughout these regions.

Our engineering consulting helps companies improve designs, reduce material costs, and design safer products. Our expert team provides you with in-depth consulting and cutting-edge software for Advanced Finite Element Analysis (FEA), Computational Fluid Dynamics (CFD), Electronics and Multiphysics solutions.



# Computational Fluid Dynamics (CFD)

Aggressive product performance requirements are a challenge for many companies. One way to meet these goals is to incorporate Computational Fluid Dynamics (CFD) analysis into the design or testing process.

Qantur Technologies CFD analysis and simulation services show how designs or test the performance under real-world conditions, uncover insights, and highlight opportunities for design optimization. Our CFD engineers specialize in various industries and bring a lot of experience to execute complex projects in rotating machinery, aerodynamics, building ventilation, data centres, flow control, heat exchangers, heating/refrigeration, mixing, and more.

## Structural Mechanics (FEA)

Qantur Technologies advanced structural analysis engineering capability is wide ranging and uses both traditional engineering and advanced computer aided engineering technologies like FEA to understand structures and their responses throughout the project life cycle, from concept development through to the full detailed engineering phase.

## Training & Support

In addition to the quality of the software code, Qantur Technologies provides world class training and support services. Qantur Technologies provides the highest quality customer-focused training for engineers involved in fluid and structural dynamics. We recognize the importance of workforce development and our training programs help users understand the software functionality, enabling tasks to be performed efficiently and effectively.

Qantur Technologies Training Services are developed for several subjects and knowledge levels, from basic simulation techniques to the most advanced ones in order to help you achieve your simulation goals.

## Technical Support: Continuous Support to your engineer for skills development in ANSYS

We provide regional technical support to your engineers through our TECS Program which includes ongoing support from our industry experienced technical experts available locally in the UAE.

Our support and assistance staff is dedicated full-time to work in the software use (support to your projects, installation, training and technical consultancy), providing the added value of the acquired knowledge in real engineering projects to our users.

## **Standard Training: focus on either, an introductory ANSYS knowledge or a physics specialization**

Through our Standard On-Site Training courses, our solutions give the trainee engineer (junior or senior) the guide that he/she needs to be successful in ANSYS.

## **Advanced Training: the training content is adapted to your application and simulation needs**

We have a wide range of courses for training the advanced use of ANSYS CFD and FEA software. However, if you need something more tailored to your own needs we also offer 'Focus Days'. These enable you to spend 1:1 time with an experienced engineer looking in detail at your own application and its specific challenges.



# ANSYS SOLUTION BY INDUSTRY

Your product development organization — no matter what your industry — can benefit from ANSYS engineering simulation solutions. Each sector faces unique, constantly evolving challenges. ANSYS provides not only a broad base of standard tools and services but industry-specific capabilities and expertise that deliver the flexibility and scalability you need for your distinctive industry.



## Aerospace & Defense

A&D Engineering and Product Development Software

*ANSYS helps aerospace and defense product development companies meet their key business initiatives through simulation driven engineering design and drives innovation through the exploration of a wider range of product design options.*

## Automotive

Vehicle Engineering Solutions

*ANSYS helps aerospace and defense product development companies meet their key business initiatives through simulation driven engineering design and drives innovation through the exploration of a wider range of product design options.*



## Construction

Engineering Simulation for the Built Environment

*For thousands of years, the construction industry has responded to the issues of its day with innovation after innovation. Today's challenges are centred around saving energy, minimizing operating costs, and improving safety and occupant comfort. To address so many different challenges computer modeling is a must do.*

## Materials & Chemical Processing

Engineering Simulation for the Built Environment

*Simulation solutions for the process industry are helping companies with significant engineering improvement in their asset- and process equipment efficiency and reliability. The required advancements can directly impact product and process performance, sustainable and green engineering, and ultimately corporate profitability.*



## Energy

Simulation, Modeling & Analysis Solutions for Energy

*The increasing worldwide need for reliable energy at a reasonable cost, combined with growing environmental concerns, has brought energy science and engineering into the global spotlight. Companies are challenged to improve existing power generation technologies, improve energy intensity, reduce energy use, and develop innovative new solutions that balance demand, cost and environmental priorities.*

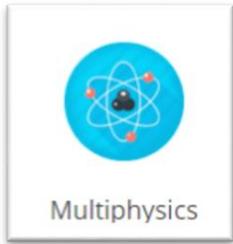


# PRODUCT RANGE

## ANSYS Product

ANSYS offers a comprehensive software suite that spans the entire range of physics, providing access to virtually any field of engineering simulation that a design process requires. Organizations around the world trust ANSYS to deliver the best value for their engineering simulation software investment.

Simulation-driven product development takes engineering simulation to another level — the unequalled depth and breadth of our software coupled with its unmatched engineered scalability, comprehensive Multiphysics foundation and adaptive architecture set our technology apart from other CAE tools. These ANSYS advantages add value to the engineering design process by delivering efficiency, driving innovation and reducing physical constraints enabling



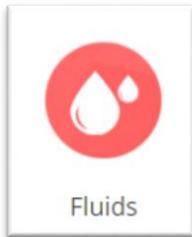
Multiphysics

*"The real world is Multiphysics in nature. Learn how you can correctly capture the important aspects of your design with a unique Multiphysics capable simulation tool."*



Structural

*"Structural mechanics solutions from ANSYS (FEA) provide the ability to simulate every structural aspect of a product for better life and optimize design."*



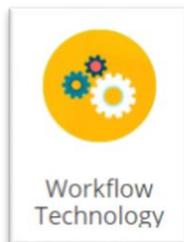
Fluids

*"ANSYS computational fluid dynamics (CFD) simulation software allows you to predict performance and permit you to design an efficient product by comparing alternative designs."*



Electronics

*"Discover how electronics simulation software can help you for the design of electromechanical as well as power electronics components and systems common to high-tech industries."*



Workflow Technology

*"ANSYS Workbench Platform delivers unprecedented productivity by unifying our industry-leading suite of advanced engineering simulation, enabling simulation driven product development"*



CAD 3D SOFTWARE

*SpaceClaim, the leading provider of 3D Modeling software, develops the fastest way to create, edit, and repair 3D models*

# AlphaSTAR Product

AlphaSTAR is a leading global provider of physics-based simulation technologies and services for structural modeling and analysis of advanced materials. AlphaSTAR's enhanced simulation capability allows in determination of failure, failure modes, strength, life, and safety of structures, thereby enabling engineers to assess where, when, why, and how to remedy failure.

As the use of composite and advanced materials explodes throughout discrete manufacturing, AlphaSTAR's experience, methodology, and software provides a powerful advantage throughout the development and testing cycles.



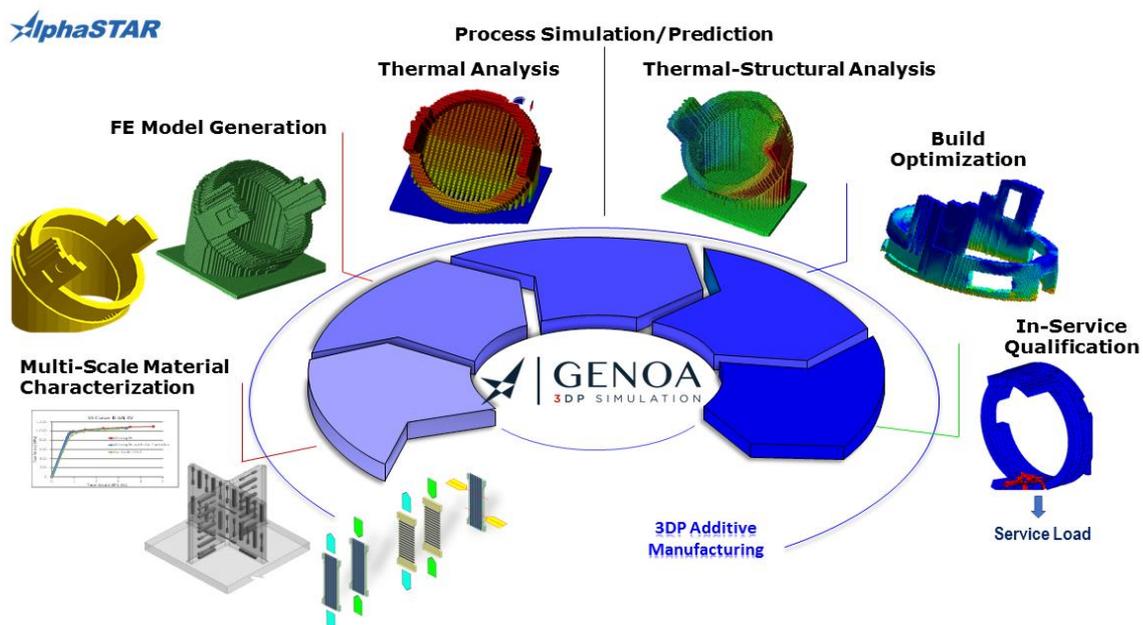
*"GENOA is a durability & damage tolerance, progressive failure, and reliability software that provides engineers with predictive computational technology to characterize and qualify advanced composite materials and structures."*



*"GENOA 3DP Simulation is an additive manufacturing design tool and software suite that simulates the 3D printing process to accurately predict the deflection, residual stress, damage initiation, and crack growth formation associated with as-built AM parts."*



*"MCQ material modeling software provides engineers with advanced analytic tools to characterize and qualify material properties as input for finite element analysis. MCQ discerns between as-designed, as-built, and as-is material states to predict other design related outcomes"*





# So, Let's Start Now

Qantur Technologies is the authorized channel partner of ANSYS software in the India, Srilanka & Bangladesh and is approved reseller for AlphaSTAR Simulation Products in United Arab Emirates & India. Company offers powerful analysis solutions in combination with truly customer-oriented support services.



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