



ESTECO ACADEMY DESIGN COMPETITION 2016

ESTECO Academy in partnership with **APRILIA Racing and Gamma Technologies** launches its 2016 Design Challenge dedicated to Engineering Students around the world.

Test your skills in numerical analysis, simulation and testing to design the perfect race engine. The winning team will enjoy a job experience with the APRILIA Racing team, which during its young history already counts on several World Championship Awards.

[REGISTER NOW](#)

REGISTRATION DEADLINE > **30th November 2016**

SUBMISSION DEADLINE > **30th April 2017**

WINNER ANNOUNCEMENT > **June 2017**

The design challenge consists in the design of a 4 stroke single cylinder engine through multidisciplinary optimization, using modeFRONTIER and 1-D simulation of the engine system with GT-Suite. Where needed, other software tools can complement the analysis. The design team will concentrate on the optimization of the 1-D engine model respecting the overall engine specifications, identifying objectives and constraints to the problem to reach the best engine performances possible.



6-month internship at Aprilia Racing
Visit of the Aprilia RC headquarters and labs
1 year of ESTECO Academy membership for each team member



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WEBSITE: <https://academy.esteco.com/academy/esteco-aprilia-racing-design-competition>

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