TERMA®

STUDENT INTERNSHIP BROCHURE - 2006

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WHO IS TERMA

For more than two decades Terma has provided services and consultants to support IT development and operations for international agencies and research organisations as well as industries across Europe.

The key focus for Terma is high technology, industrial and engineering environments, often equipped with a complex IT infrastructure
Around 200 employees are engaged in IT related activities at one of our offices in Denmark, The Netherlands, Germany or Italy, or at one of our clients' premises in these countries.

Terma develops and markets high-tech solutions, systems, and products for civilian and military applications. Terma is located in 5 countries and A/S headquarters are located in Lystrup near Århus, Denmark. The company is 100 per cent Danish owned.

Terma's high-tech solutions and products are developed and designed for use in extreme mission critical environments and situations, where human lives and valuable material assets are at stake.
Terma's business areas cover:

- Aerostructures for aircraft
- Airborne Systems, including self-protection systems for aircraft, audio systems solutions, reconnaissance systems for fighter aircraft, and electronics manufacturing
- Integrated Systems, including self-protection systems for ships and command and control systems for navy, army, and air force applications
- Radar surveillance systems
- Solutions, services, and products for space applications
- Air traffic management systems
- IT services

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INTERNSHIP DESCRIPTION

Since January 2005, TERMA Space has been working on a project for the European Space Agency called VRAIV. The purpose of this project is to use virtual reality tools to help in a variety of mechanical simulations. For the upcoming second phase of the VRAIV project, we are looking for **2 motivated students** who are willing to help us expand the software in the following areas:

1.- We are looking to implement a more complete physics simulation, including at least correct gravity, balancing, slipping, and swinging. Tasks include finding approximations for the mass and surface properties of objects and implementing simulations for the various types of physics required.

2.- We are looking to implement direct interaction with the 3D scene using a virtual reality glove. Tasks include researching the market for a suitable virtual reality glove, creating an interface to this glove and creating an on-screen representation of the glove and manipulating objects in 3D scene.

INTERNSHIP CONDITIONS

- The candidate should be proficient in C++.
- The candidate should have a basic understanding of physics and mathematics of 3D visualization.
- Knowledge of OpenGL is considered to be a benefit.
- Internship duration is between August 2006 and January 2007.
- A monthly allowance of 340 euros will be granted as well as a bonus on successful completion of the internship.
- Interns have to provide their own health insurance, accident insurance and travel expenses.
- Interns are responsible for finding their own accommodation, their base will be Leiden.

HOW TO APPLY

Send us a completed student placement application form together with a copy of your C.V. and a letter explaining why you would like to work for Terma **before 20th JUNE** to the following e-mail address: **lie@terma.com**, to the attention of *Mrs. Lierni Arana.* Alternatively, you can mail it to the address at the back of this brochure.

We look forward to welcoming you in TERMA