

## Stage weken voor de opleiding Master Informatica

Titel: Cloud based system health monitoring

### Gegevens bedrijf:

Naam: ARDIS Information Systems NV

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Adres waar de student zal werken: Brugstraat 75, 9880 Aalter

Korte of lange stage: **4 weken / 6 weken**

### Korte beschrijving van de opdracht:

ARDIS® is the machine independent global market leader for optimization & manufacturing software. Our cutting-edge software offers a modular all-in-one platform specifically designed and built for the sheet/bar/coil cutting industry.

The student will become part of our R&D team to work on our rapidly growing MES solution. The ARDIS R&D team is a passionate team with a broad mix of talents and skills, supporting personal growth and ambition.

For MES systems it is crucial to always be available, to prevent potential issues and to resolve issues as soon as possible if these would appear. The goal of this internship covers 3 aspects: The first aspect is to keep track of event-worthy health parameters of the installation (which is usually on premise). This includes usage of system resources, benchmarks on system responsiveness and connectivity with 3rd party components.

The second aspect is the implementation of a cloud platform to push this information to. The third aspect is to create dashboards which visualize the most important information and automatically sends mails upon urgent situations, like connectivity issues and emerging hardware issues.

### Technologieën die aan bod zullen komen:

Following technologies and skills could be touched:

- Javascript
- C#
- .NET
- SQL
- API
- Microsoft Azure
- Technical analysis
- Functional analysis