# Informatics Project Portfolio

In the portfolio work you will work with industry standard techniques in relation to it systems architecture. You will do this in small groups working with real life cases in companies. The activities in the case companies has an “architecture description” as its end product. The project work further includes a “reflection report” where you reflect on learning points in relation to the four core areas of Informatics.

The project work is supervised by a supervisor:

* Associate Professor Magnus R. P. Hansen, PhD
* Associate Professor Keld Bødker, PhD

## How to find a “case company”

Start thinking: Have you had contacts to a company in earlier projects? In particular it could be the company that you worked with in the bachelor course “Brugerdrevet Design”, where you carried out an early design project (in Danish “it-forundersøgelse”). Similar cases from other projects or courses could also be good starting points.

Do you have a father, an uncle, a sister, or .. who works in an it related job? Then he or she might also be able to help you.

Or check the university’s web site for jobs or projects with companies: <https://ruc.jobbank.dk/job/?act=find&cvtype=5>

# Case requirements

* An organisation (i.e. a case company); it can be a private company, a public organization or an NGO
* 2+ stakeholders need to be able to be involved
* Organisation needs to have technology that aids their core business areas
* 2+ technology systems in use to support daily work
* You will need to have” access” to stakeholders as well as technology
* Users and management might be informants rather than participants

## Timing

The activities in the company will most likely start taking off in the beginning of October when you have got the most basic stuff on it architecture in place through the BUITA course. You will end the work in the case company in mid-December finishing off the “architecture description” for a new system.

## What to tell the company when you contact them?

You can draft a letter based on the following template

**To whom it may concern**

We are a group of <X> students, studying a master program in Informatics at Roskilde University and doing a course on IT architecture.

Specifically, we are tasked with analyzing and/or developing an IT architecture for a new system or a set of new features to an existing IT system using a real case company. This is why we ask you to be this case company.

This architecture can benefit you by:

* serving as documents for current or future tenders
* serving as requirements specifications for your business needs
* providing you with an alignment analysis related to business needs and IT strategy
* serve as risk analysis concerning your existing IT use
* serve as a security assessment of your existing IT systems

The architecture description ranges from IT systems such as intranets, ERP systems, case handling systems, external and internal communication, or the hardware itself.

The IT architecture will revolve around three main concepts:

* stakeholders (and their concerns),
* views (the context of the system, system functionality, information and data flow)
* perspectives (related to how to optimize or improve security, usability, performance or scalability)

We require few resources, at most 10-20 hours through meetings, interviews and evaluations of the final architecture description with the central stakeholders in order to produce our final report.

We hope this is of interest to you.

Signed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact information <name, email, telephone>