**ENSE 483 Project System Design Document**

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# Introduction

## Purpose of the system

This system implements *Meat UC5.1: Pig Farm Management* as specified in the *Internet of Food & Farm 2020 Use Case Architectures and Overview of the Related IoT Systems*. This system automates management of pig farms using sensors that report various parameters of each pig’s health to supply decision makers such as farmers, slaughterhouse workers, and experts with relevant and actionable information.

## Design goals

## Definitions, acronyms, and abbreviations

## References

## Overview

# Architectures of similar systems

# Proposed software architecture

## Overview

## Subsystem decomposition

## Hardware/software mapping

## Persistent data management

## Access control and security

## Global software control

## Boundary conditions

# Subsystem services

# Packages

# Class interfaces