**Plan of Action Fischer Technik**

**Project: Fischer Technik**

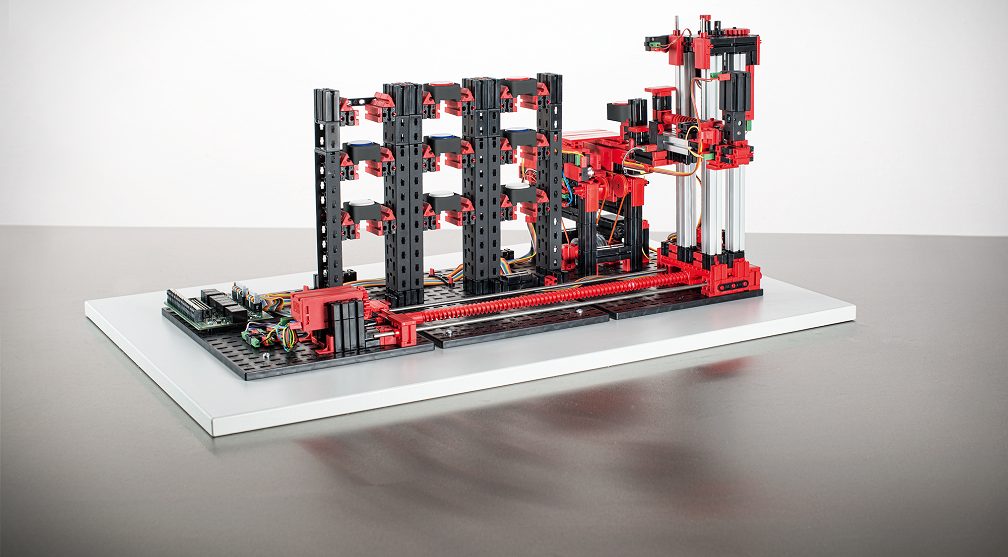
**Client: Mr. Van Dooren**

**Projectnumber: 1**

**Auteur: Jesse Jan Siersema**

**Date: 23-4-2018**

**Version: 1**



The undersigned declare their agreement with the content of this plan of action document

**Client Projectmanager**

***Initial Seen: Initial Seen:***

Date: <Geef de datum op.> Date: <Geef de datum op.>

Place: <Geef de plaats op.> Place: <Geef de plaats op.>

Contents

[Background 4](#_Toc514062826)

[Project assignment 4](#_Toc514062827)

[Project activities 4](#_Toc514062828)

[Requirements 4](#_Toc514062829)

[Products 4](#_Toc514062830)

[Project organization 5](#_Toc514062831)

[Planning 5](#_Toc514062832)

[Risks 5](#_Toc514062833)

[Attachment 1 6](#_Toc514062834)

# Background

We’re making this project for Mr. van Dooren  
we’re making this project plan for the protask assignment.

# Project assignment

Making use of a Controllino and an Automated high-bay warehouse 24 volt  
While we are going to work in Arduino C.  
The goal is to make the warehouse fully functional, so let it pick up boxes, check if the boxes are empty or not and what color is inside the boxes.

# Project activities

We’re going to achieve this by working in sprints. Researching the machine itself and coding the machine.  
to successfully end the project we are going to present the machine to the Teachers and to kind of show off we are going to present it to our parents.

# Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| Must | Should | Could | Won’t |
| Moving arm | Check if boxes are empty | Website control | Break the components |
| Stock rescan | Return Box | If no production organizes racks | Cause any harm |
| HMI (Human machine interface) C# |  | Scan colour of product |  |
| Place on conveyer belt |  |  |  |
| Pick up from conveyer belt |  |  |  |
| Manual/Automatic stock checking |  |  |  |
| Testing Inputs/Outputs |  |  |  |

We must have an arm moving which can also pick up the boxes, for which we need controls and where it eventually will drop it off at the conveyor belt.

Furthermore, before it picks up the boxes it should check if the box is empty and ask in a prompt if they still want to continue with getting the box, if Not then put back the box in the rack (And organize them), if the answer is yes it should take the box and put it on the conveyor belt, then the conveyor belt should start moving towards the Costumer

# Products

When the product is finished we will have a functional Automated High Bay Warehouse.  
At the end we will present this Product and do some demonstrations of how the product works During the presentation evening and Earlier that week to the Teachers involved to get a grade for our project.

Some of the Parts we’ll use are:

* A Controllino Mega
* Automated High Bay Warehouse 24 volt from Fisher Technik.

# Project organization

The People involved with this project:

* Mr. van Dooren
  + Client
* Jesse Jan Siersema
  + Project Leader
  + Programmer
* Jeremey van Uden
  + Programmer

Every Morning We Gather and do a little check, what we did the last day, what we are going to do today and if we need help with what we are going to do.  
We will mainly Communicate through Talking and Sometimes Mailing if there are questions while someone isn’t present.

# Planning

See the Last page of this Document (Attachment 1)

# Risks

We do have some risks.  
For example destroying the warehouse, not enough knowledge of how to control the warehouse and not having enough time to sort out how the Warehouse works   
There are no real countermeasures against this but to just Try our best to get the most out of this and get it working in time

# Attachment 1

