

FOTOMIND

- ▶ Workshop Arduino interactiv
 - ▶ Jeroen Doggen
 - ▶ Christian Munk
 - ▶ Bernd Verhofstadt

VOORAF

Animation Summer



Summer Academy
A Cooperation between Tricky Women
and University of Applied Sciences
St. Pölten

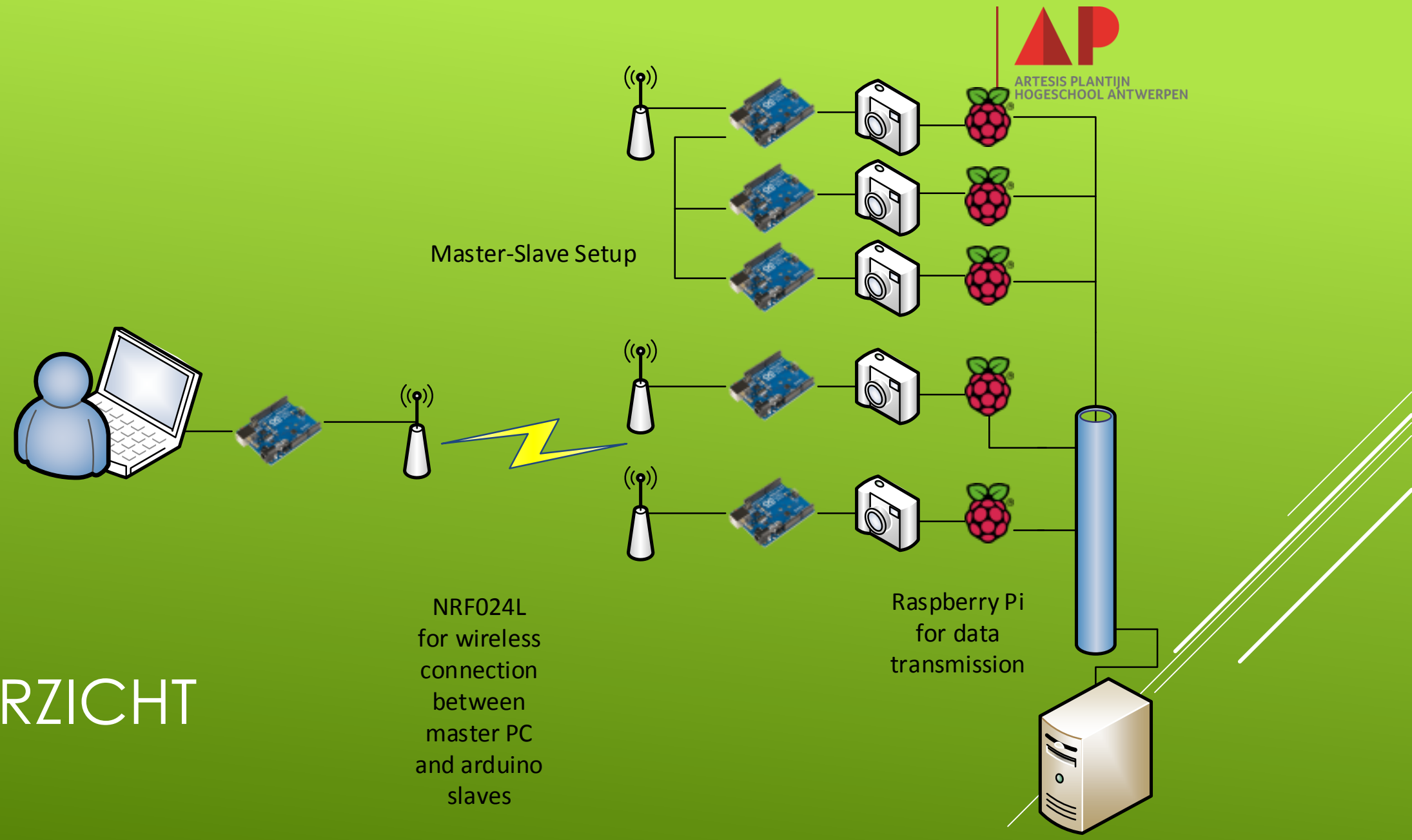


June 23rd-27th, 2014
University of Applied Sciences St. Pölten

- ▶ Evenement
 - ▶ Draadloos
 - ▶ Verscheidene trigger situaties
 - ▶ Verschillende hoeken

DOEL





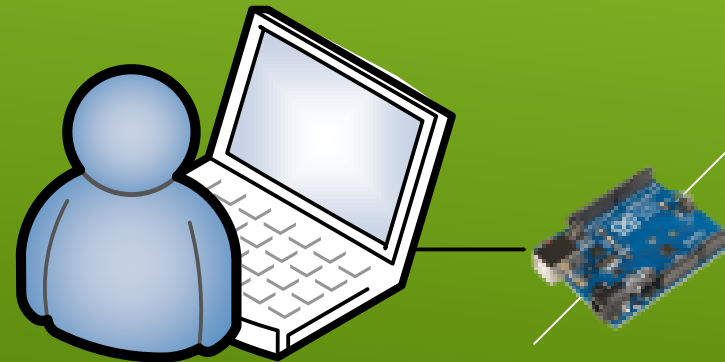
OVERZICHT

NRF024L
for wireless
connection
between
master PC
and arduino
slaves

Raspberry Pi
for data
transmission

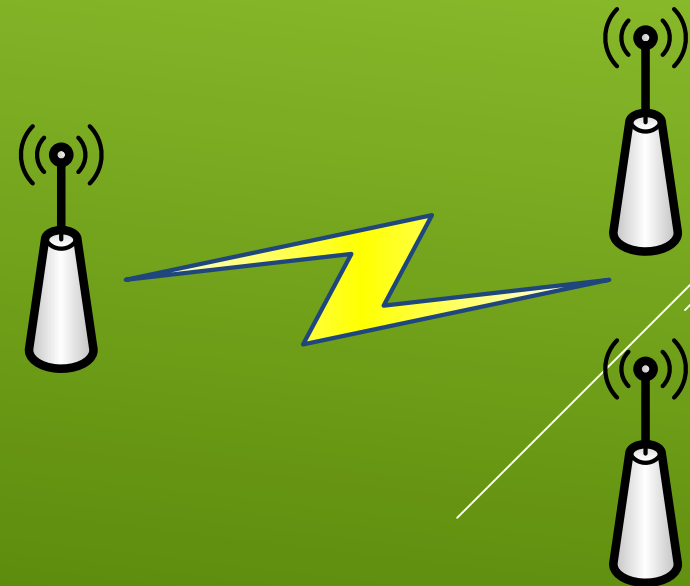
- ▶ C# Windows application
- ▶ Arduino
- ▶ Usb
- ▶ Serial verbinding
- ▶ Trigger kiezen

INVOER



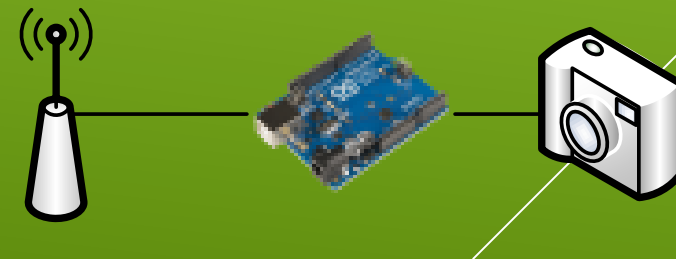
- ▶ Nrf24 draadloze modules
- ▶ Bibliotheek
- ▶ Tekst
- ▶ Goede dekking

DRAADLOZE ONTVANGST



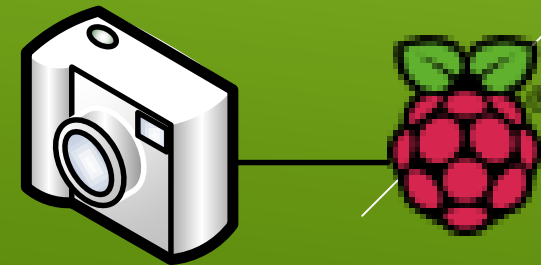
- ▶ Arduino interactief
- ▶ Draadloos
- ▶ Sensor of Manueel
- ▶ Nieuw Shield

FOTO NEMEN



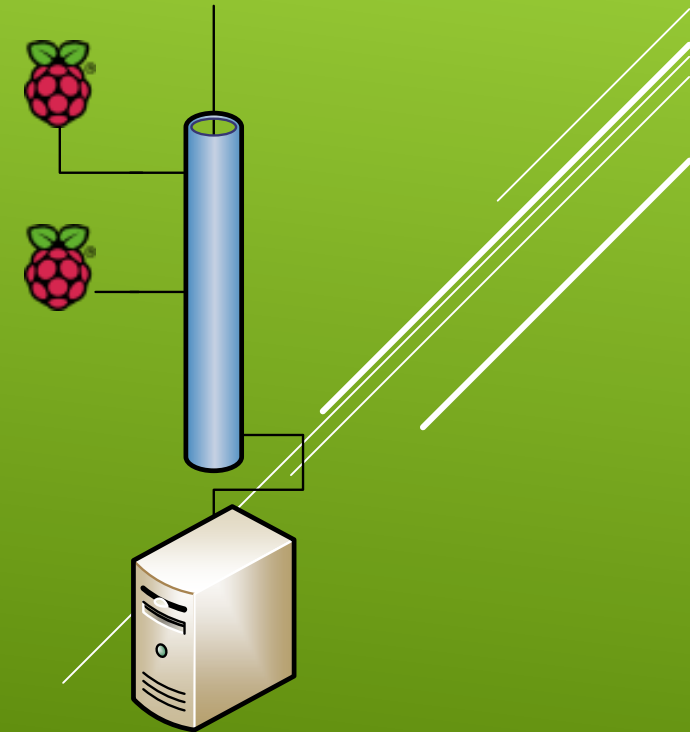
- ▶ Raspberry pi
- ▶ Gphoto
- ▶ Download foto's camera
- ▶ Ram

FOTO'S DOWNLOADEN



- ▶ PHP
- ▶ Meerdere Raspberry Pi
- ▶ Foto's bekijken en downloaden via browser

FOTO'S UPLOADEN



- ▶ Raspberry Pi – Robin & Frederik
- ▶ Server – Bernd
- ▶ C# Front-end – Thomas
- ▶ Draadloos – Robin & Cedric B.
- ▶ Arduino Sensoren – Ikhlas & Cedric S.
- ▶ Shield - Tom
- ▶ Materiaalmeester en verslaggever - Jef

VERDELING

Week 2

Week 3

Week 4

Week 5

Week 6

Meeting

Arduino Sensor

Server

Raspberry Pi

C# Front end

Arduino Wireless

Samenvoegen

Shield

VERLOOP

- ▶ Github: <https://github.com/AP-Elektronica-ICT/FOTOMIND>
- ▶ Studenten
 - ▶ Bernd Verhofstadt
 - ▶ Cedric Baetens
 - ▶ Cedric Snijers
 - ▶ Frederik Moonen
 - ▶ Ikhlas Berrazi
 - ▶ Jef Gys
 - ▶ Robin Vercammen
 - ▶ Thomas Mulder
 - ▶ Tom Mampaey
- ▶ Lectoren
 - ▶ Christian Munk
 - ▶ Jeroen Doggen

PROJECT

DEMO



VRAGEN

