

# CLEARSY

Safety Solutions Designer

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# Using B to Program the CLEARSY Safety Platform Starter Kit for Education



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 Windows **ONLY**

## 01 Introduction

- Overview, key features, applications
- Installing and setting up the environment

## 02 Programming model

- Design principles “à la Arduino”
- CLEARSY Safety Platform project specifics
- Process: modelling, verification, code generation

## 03 Simple exercises

- |               |           |               |
|---------------|-----------|---------------|
| ▪ Not, Or     | ▪ Flasher | ▪ Secret code |
| ▪ 3-bit adder | ▪ Deadman | ▪ SOS         |
| ▪ Clocks      | ▪ Filter  |               |

## 04 More complex exercise

- Traffic lights management

## 05 Conclusion