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Rika System

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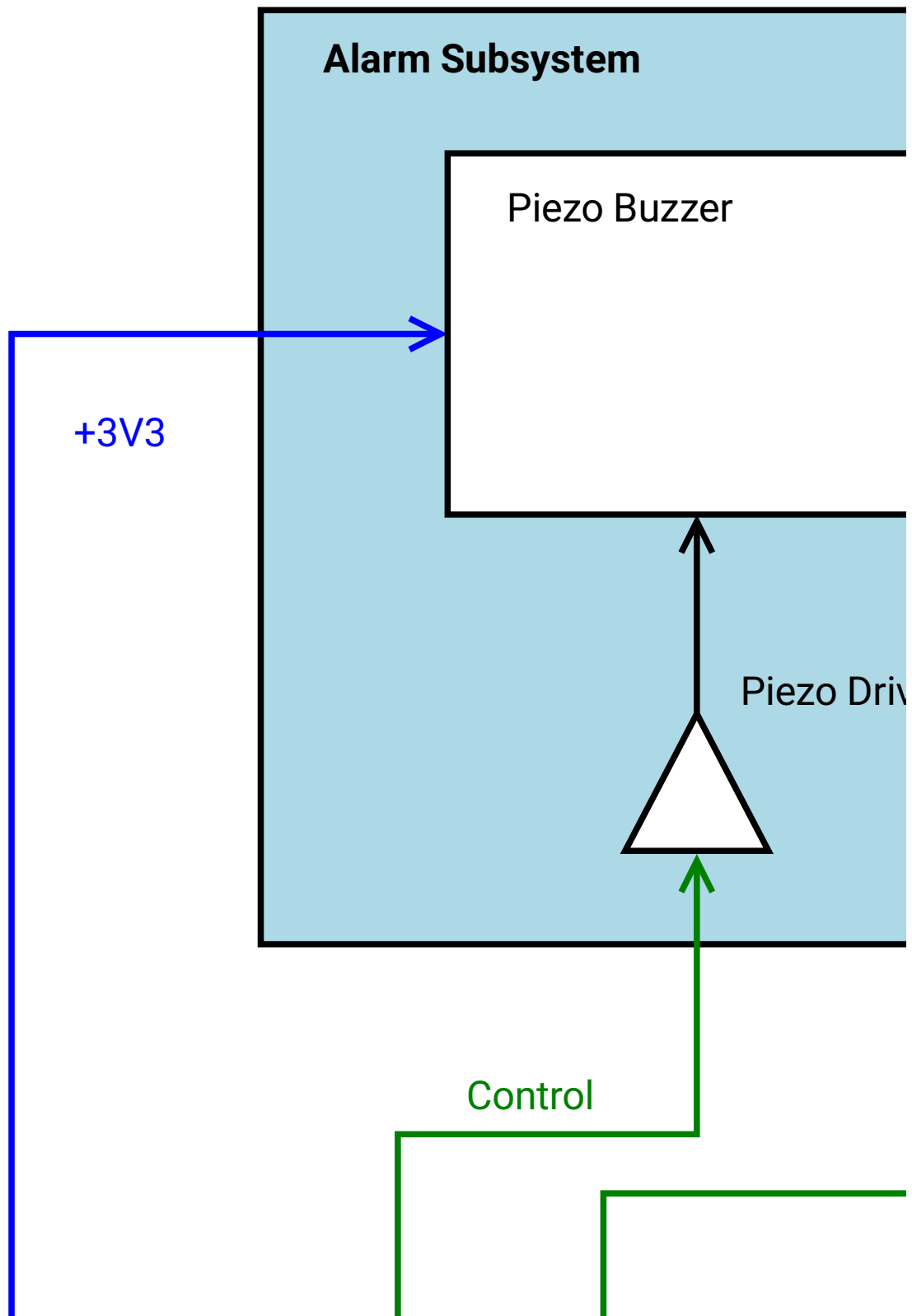
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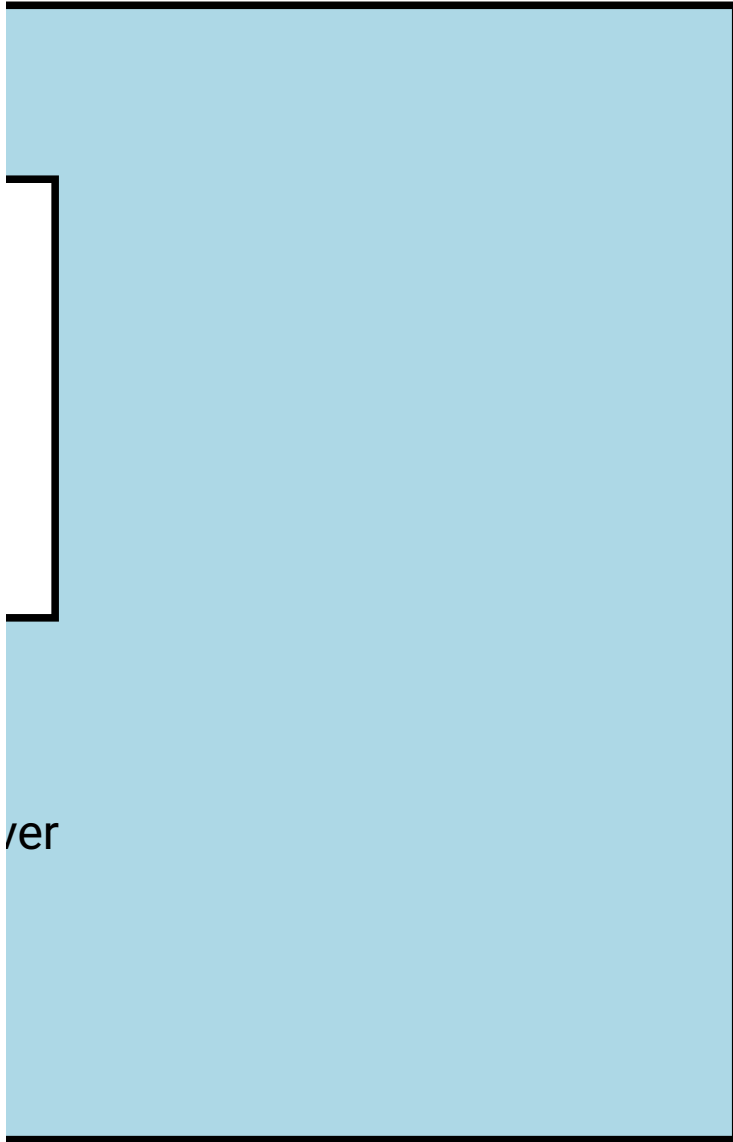
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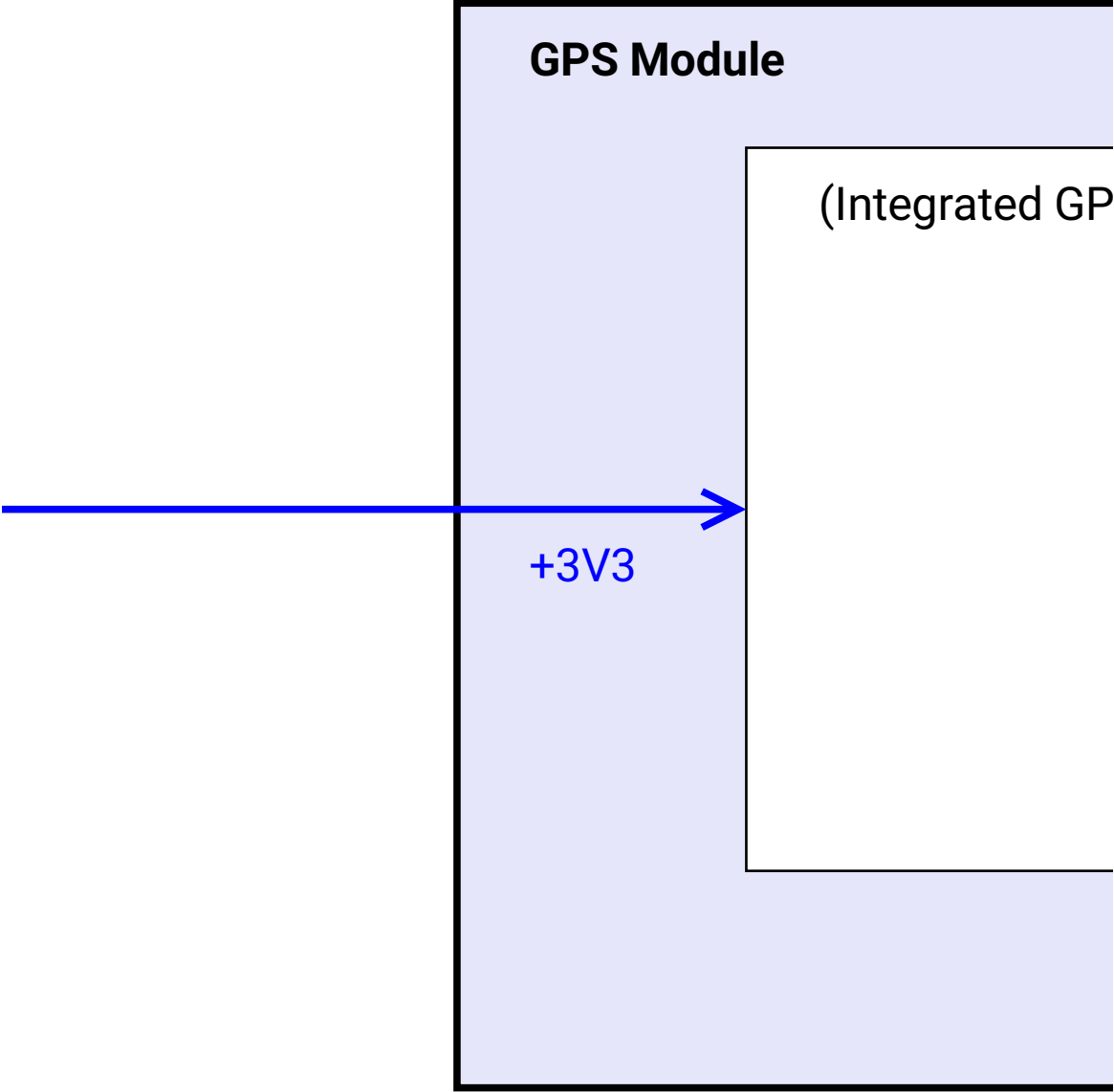
Bike System

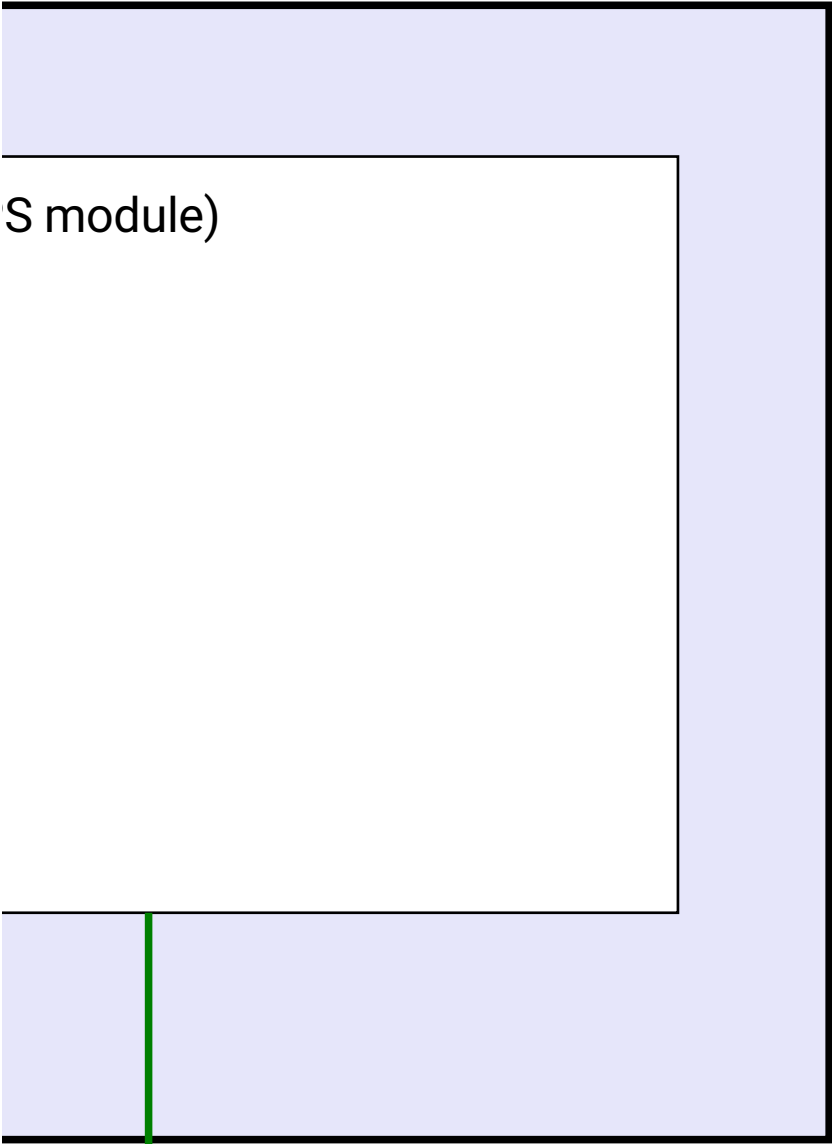




Serial Data and Control (I2C?)

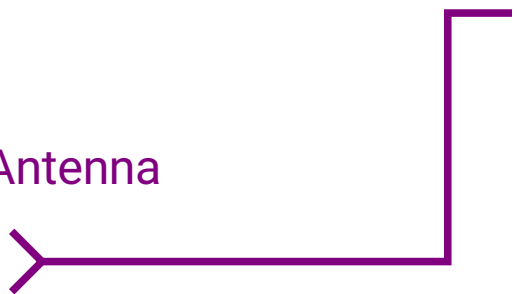






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Antenna

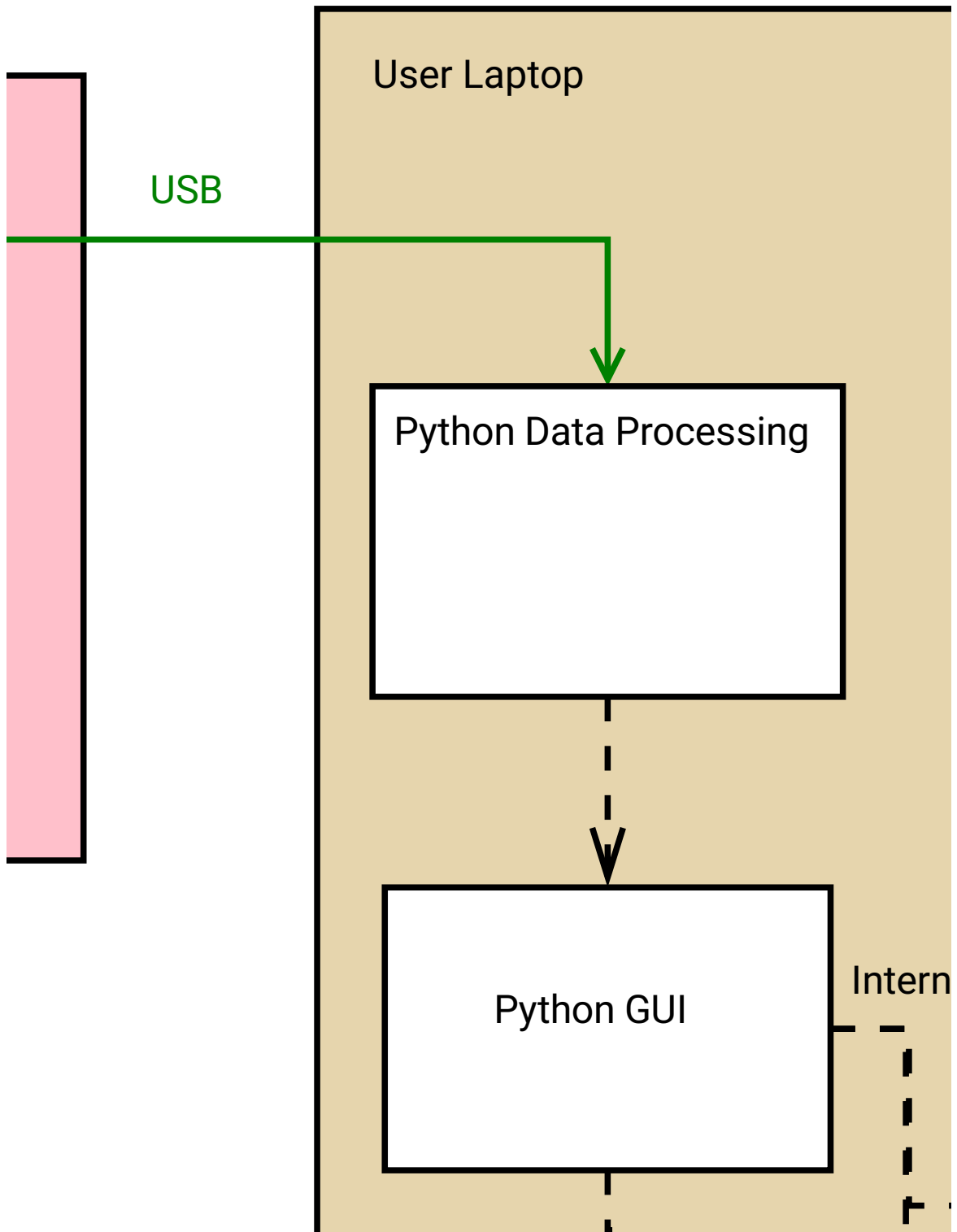


Reciever

Reciever Hardware

STM32WL55CC nucleo board

*Stretch goal: design
compact USB dongle reciever.*



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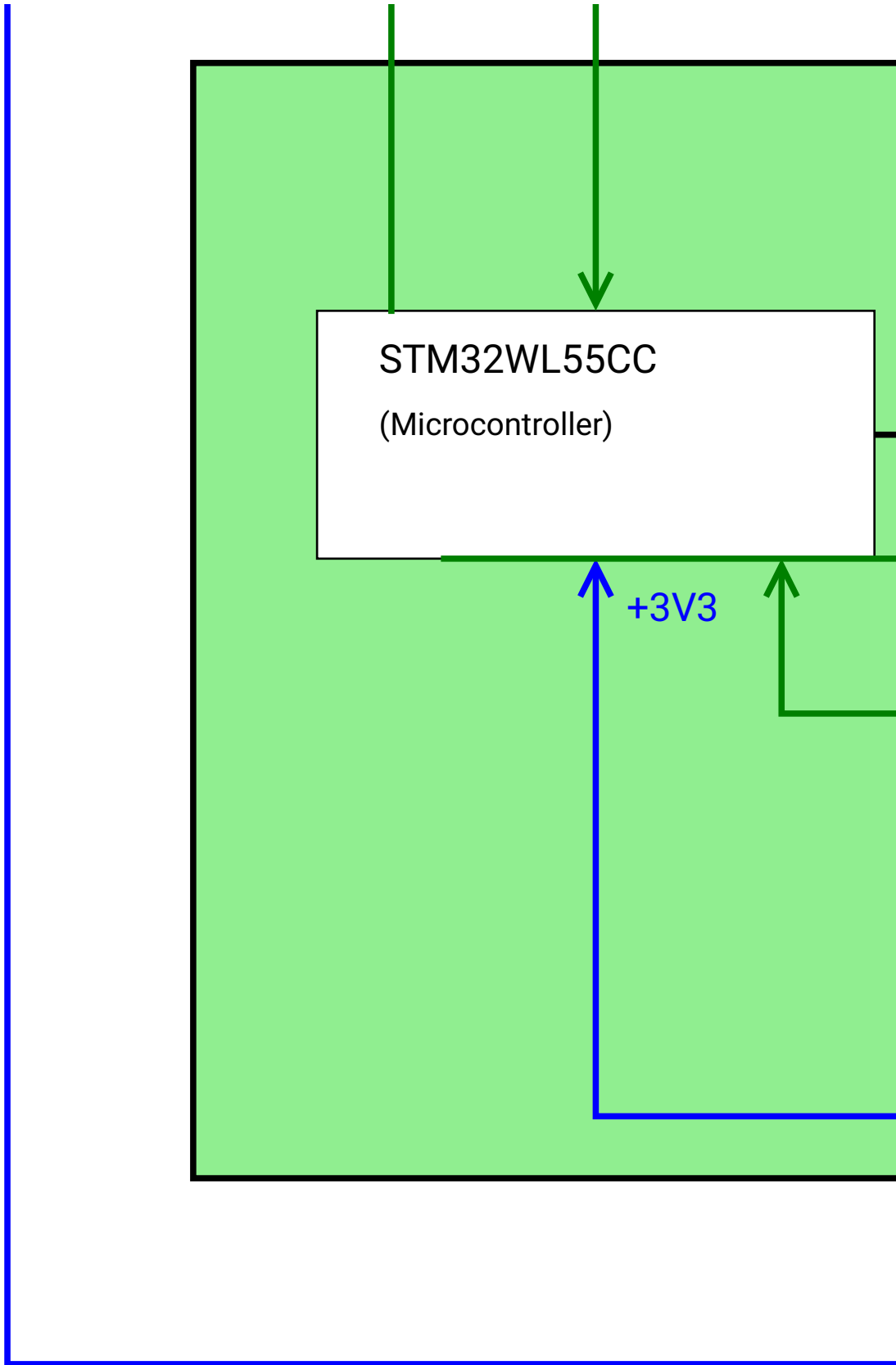
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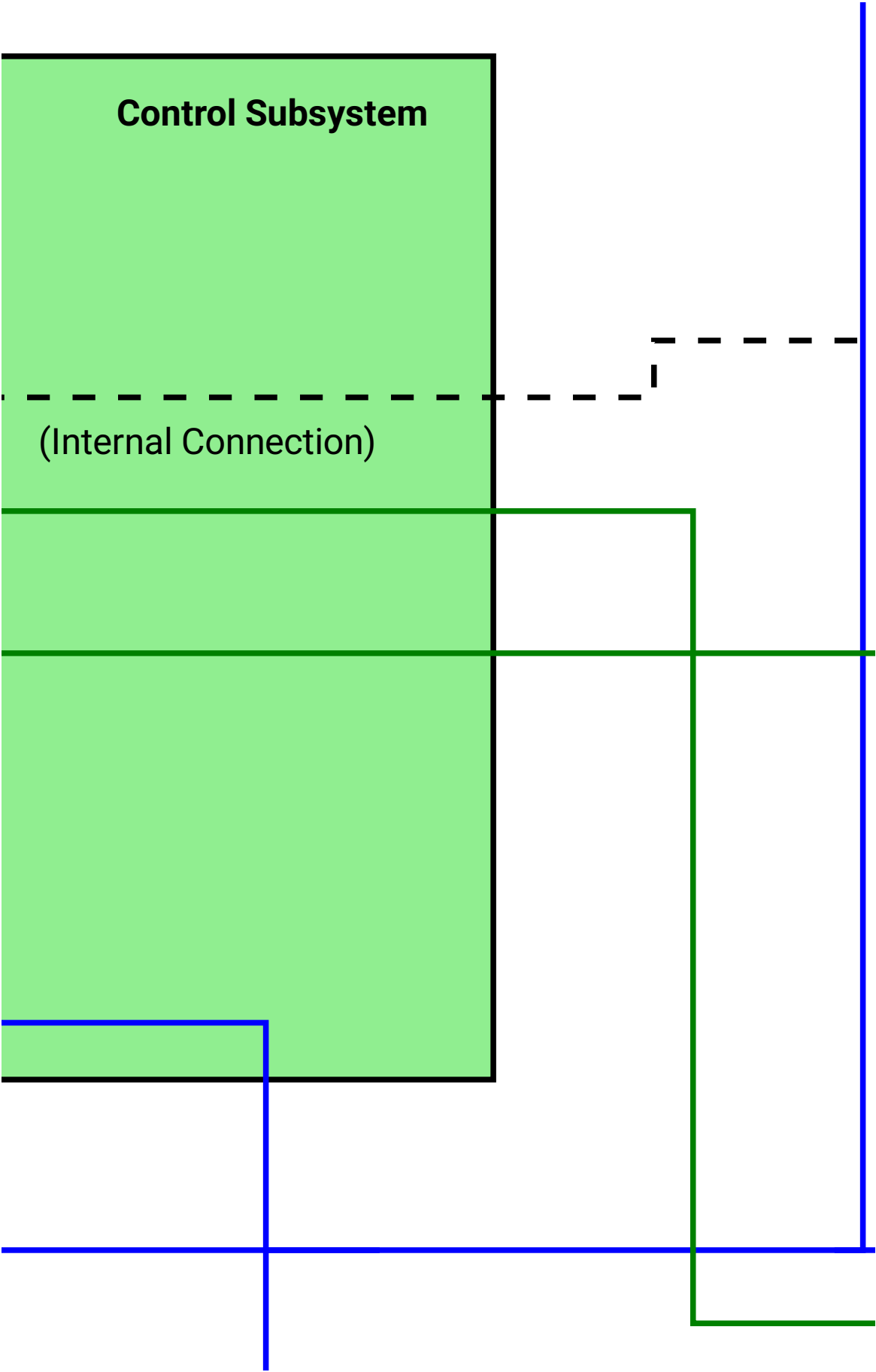
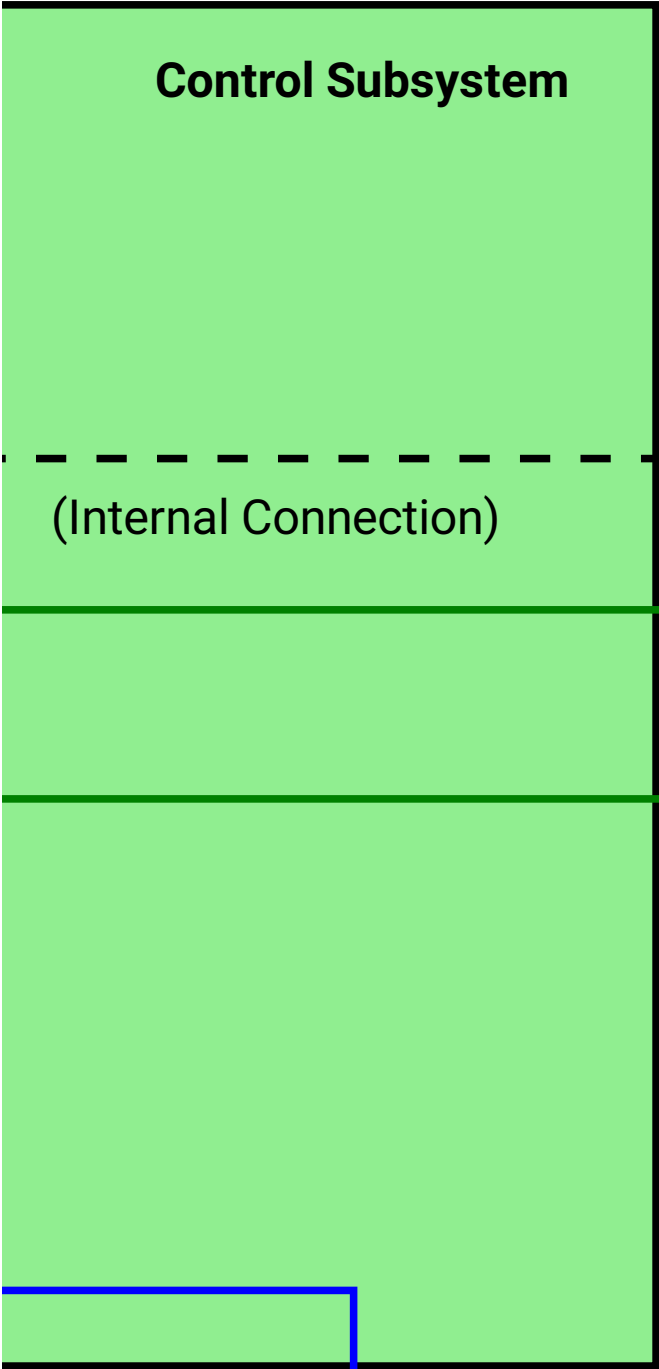
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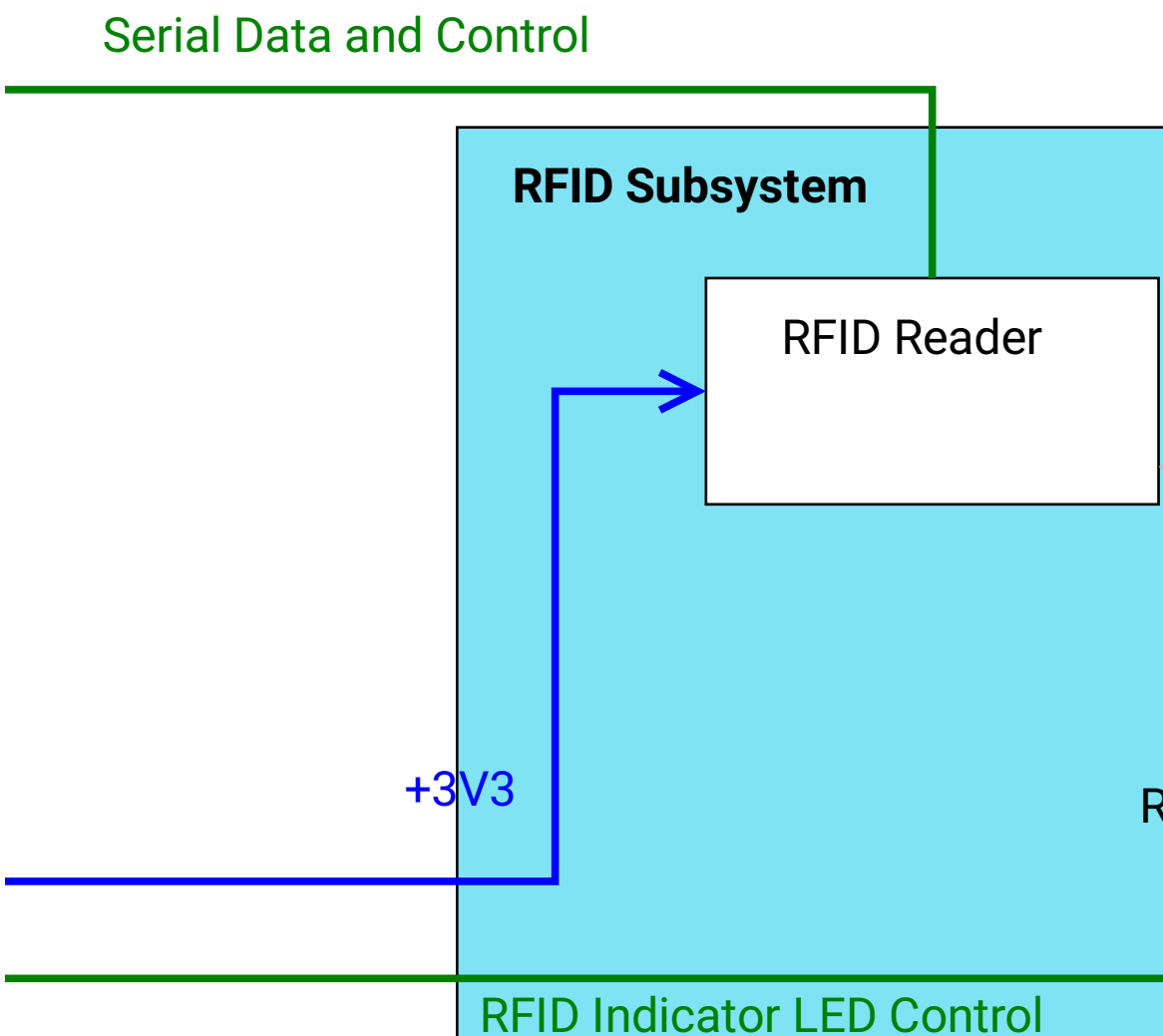
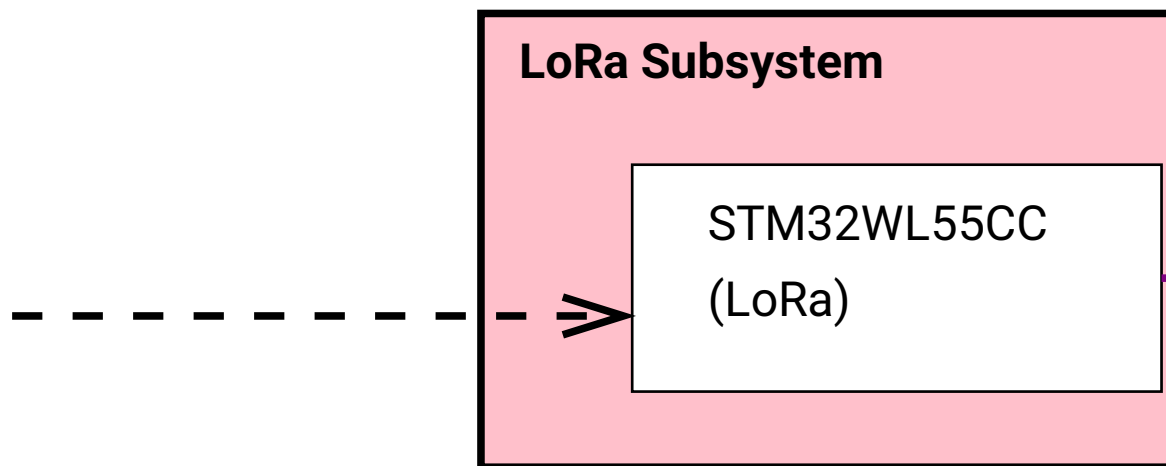
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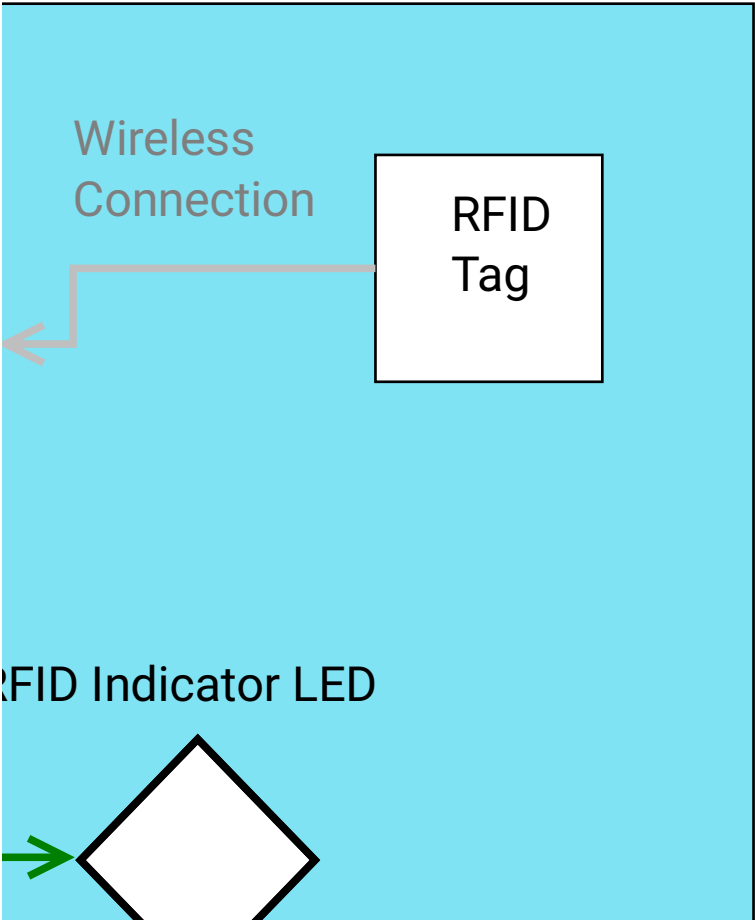
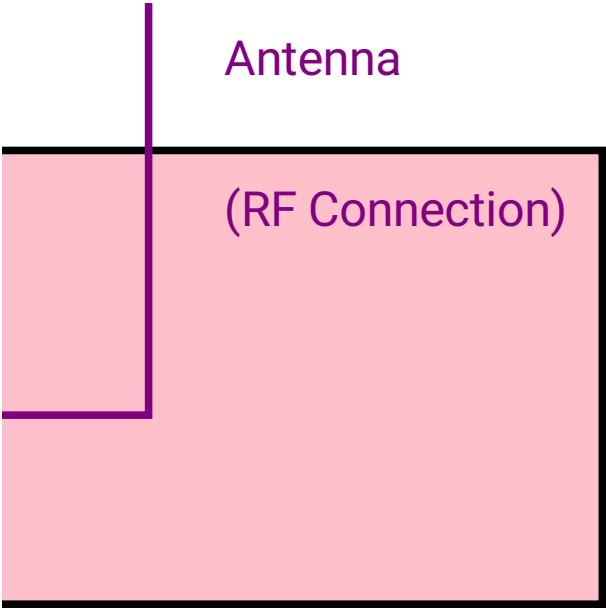
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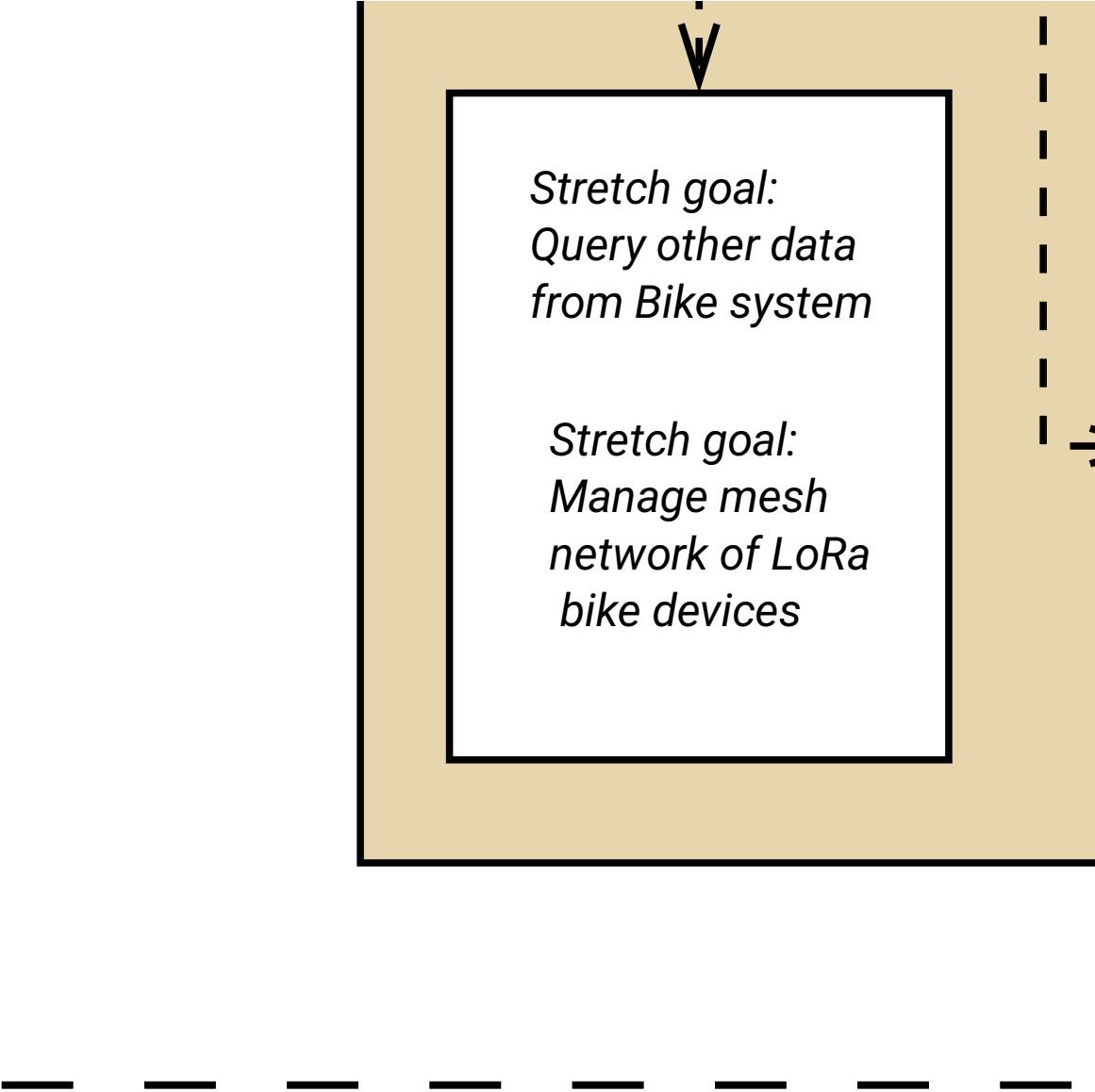
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*Stretch goal:
Query other data
from Bike system*

*Stretch goal:
Manage mesh
network of LoRa
bike devices*