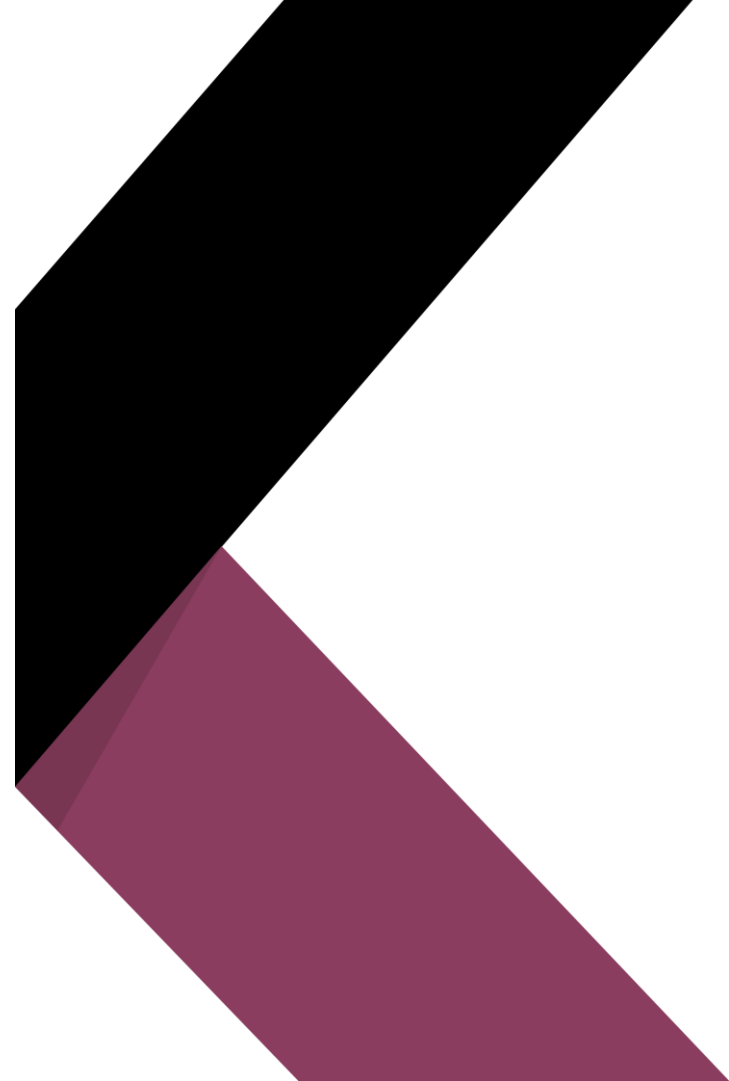


MODEL BASED
DESIGN

DEMO





SINGLE PHASE INDUCTION MOTOR (SPIM)

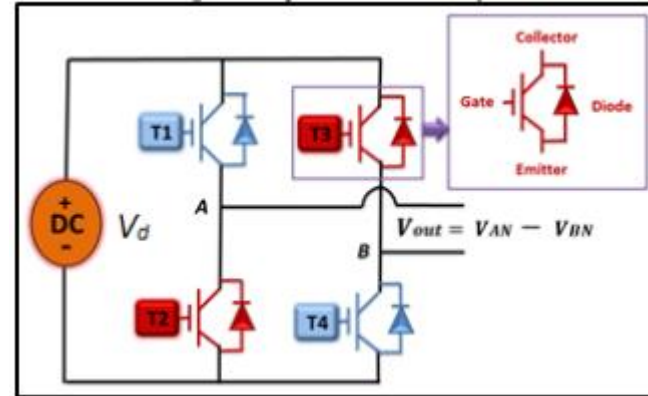
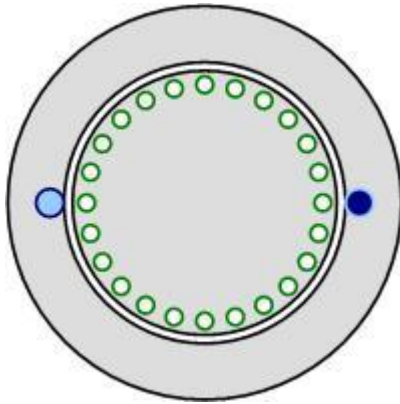


ESEMPIO

SPIM

Regolazione di velocità per un motore asincrono monofase.

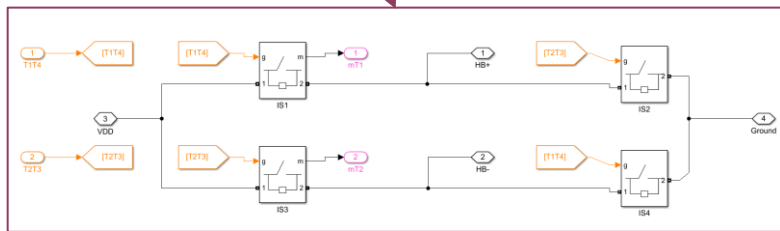
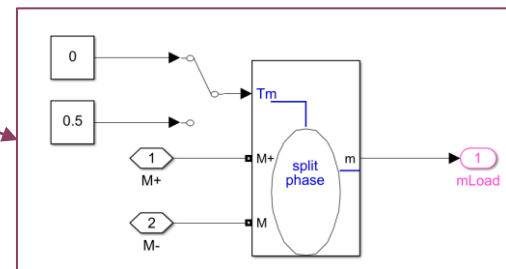
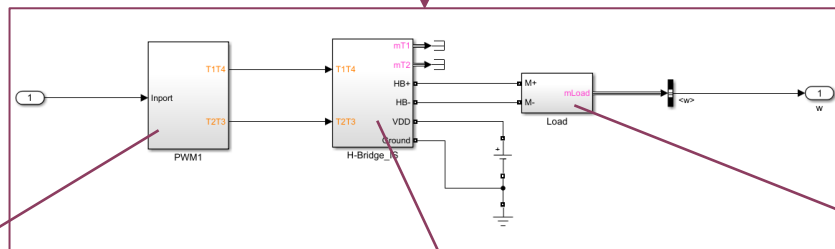
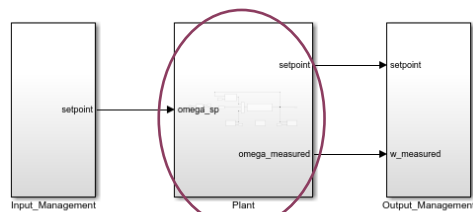
- Motore Asincrono Monofase
- Ponte H
- PWM
- PID





MODELLAZIONE

PLANT

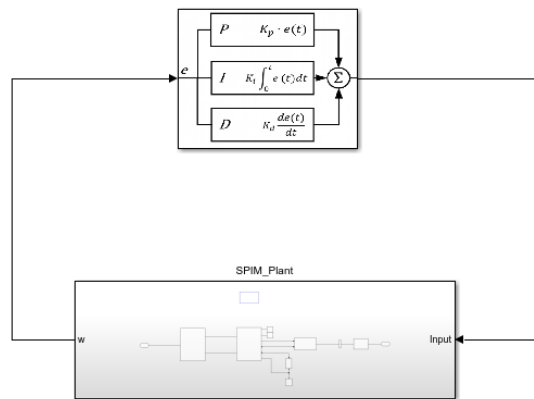




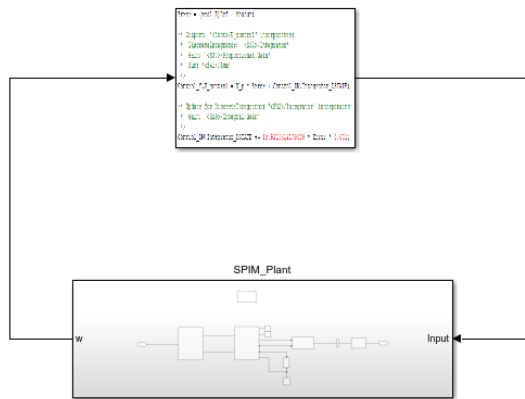
MBD

TESTING

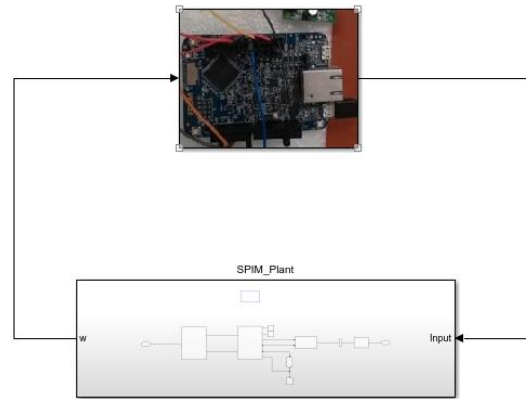
MIL



SIL



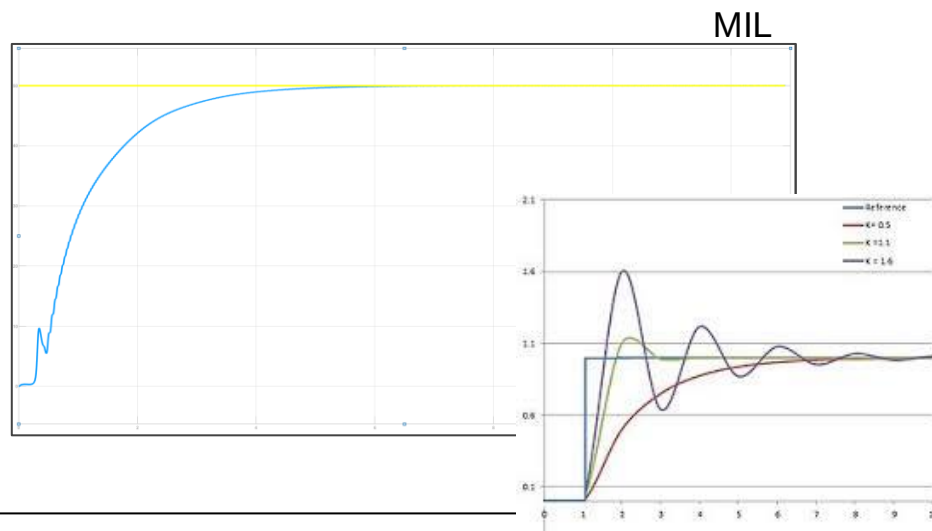
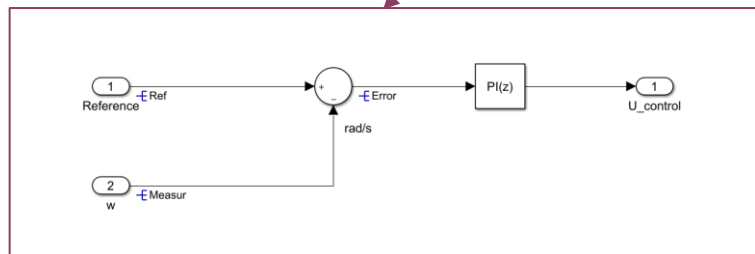
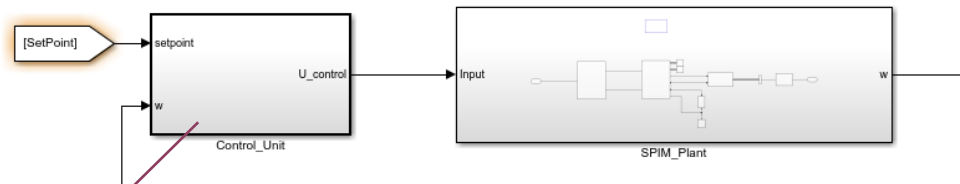
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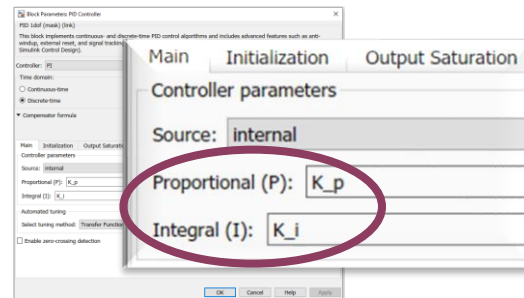
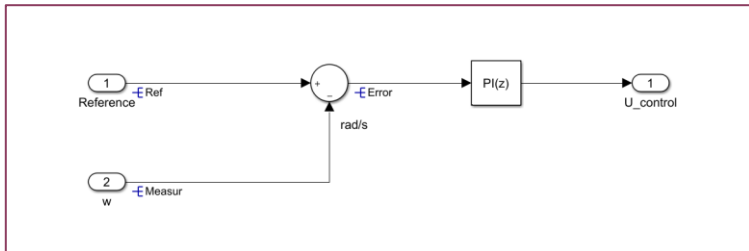
MODELLAZIONE

CONTROLLORE





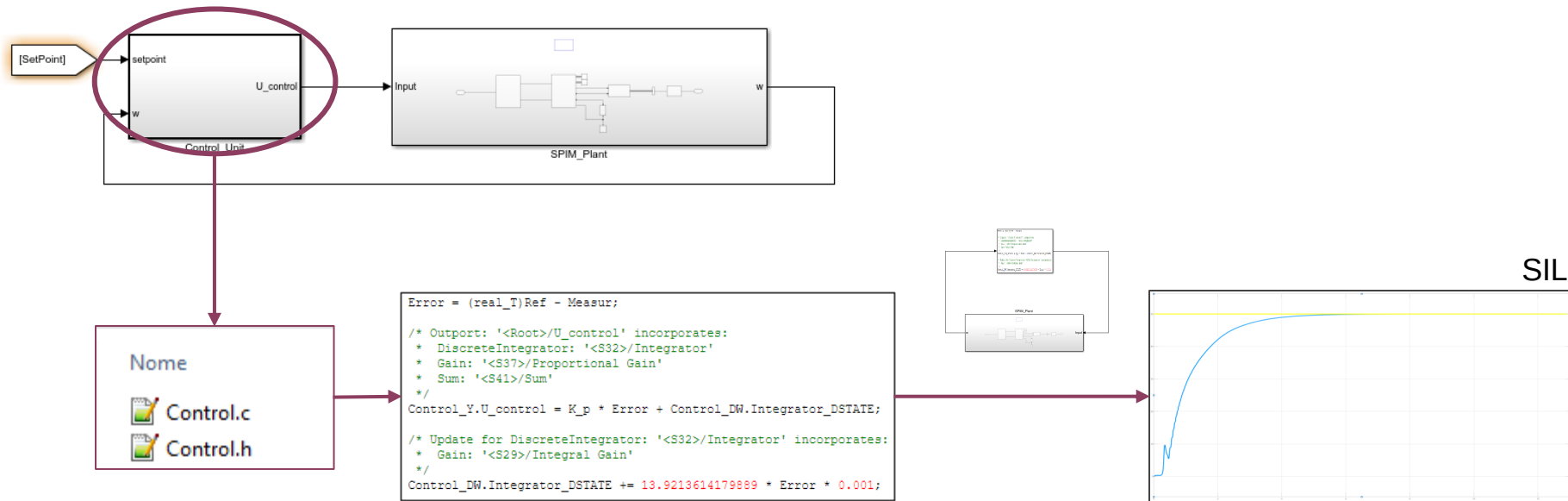
CODE GENERATION



	Name	Unit	Value	DataType	Dimensions	Complexity	Min	Max	Unit	Argument	StorageClass
	Sig			auto	-1	auto	[]	[]			Auto
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	K_p	Mod	0.000348034035449724	uint32	[1 1]	real	[]	[]	1		ExportedGlobal
	K_i		13.9213614179889	double	[1 1]	real	[]	[]	1		ConstVolatile
	Error	Mod		double	-1	auto	[]	[]			Auto
	Ref	Mod		double	-1	auto	[]	[]			Auto
	Measur	Mod		double	-1	auto	[]	[]			ImportedExtern
	Hil_flg		single(0)	single	[1 1]	real	[]	[]	1		ConstVolatile

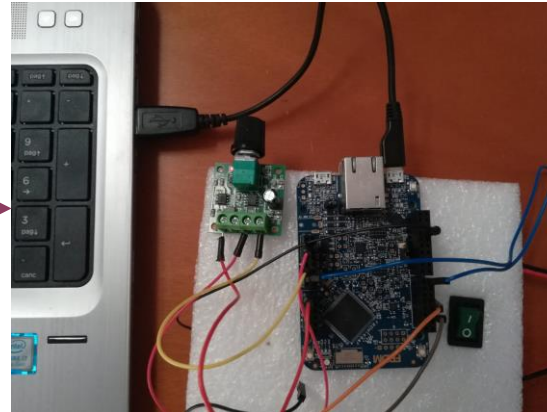
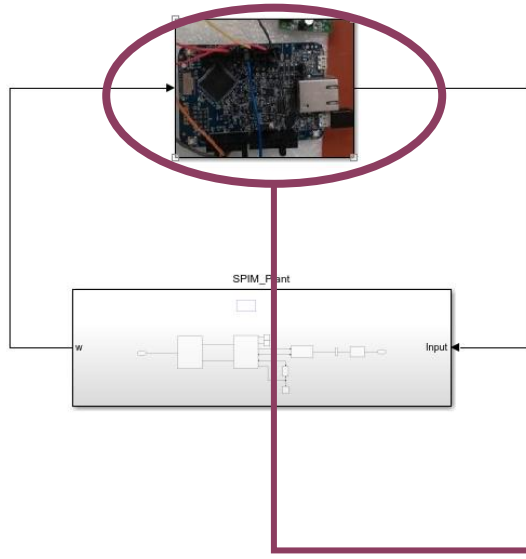


CODE GENERATION





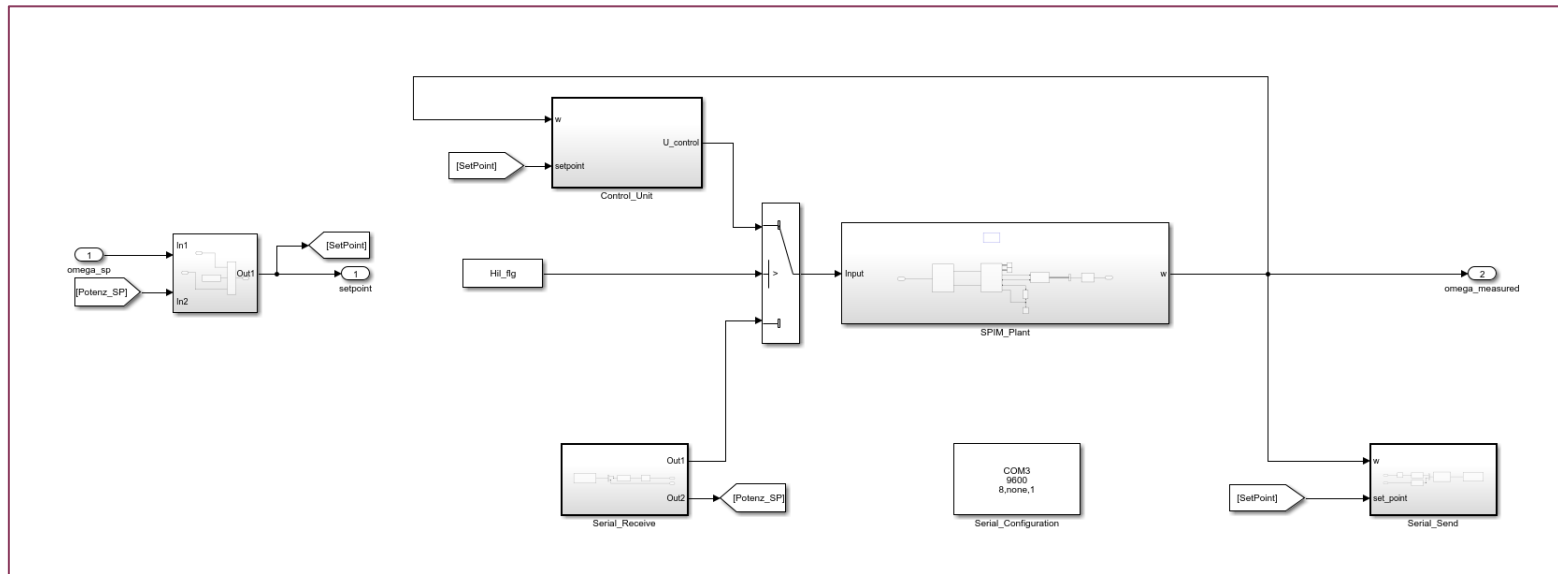
PROCESSOR IN THE LOOP



- NXP FRDM-K64F
- Potentiometer
- Serial Port



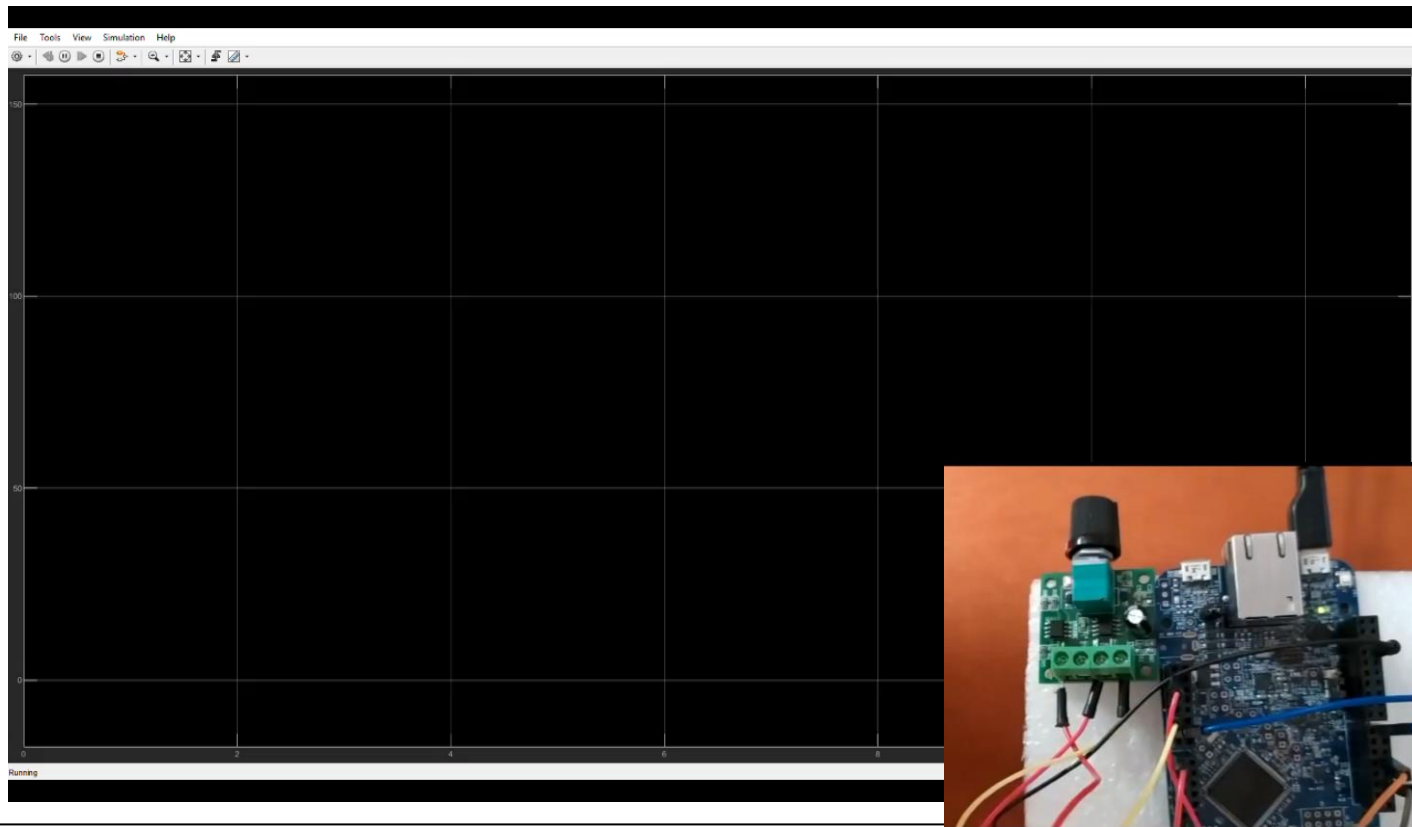
HARDWARE IN THE LOOP





HIL

DEMO



kineton



DOMANDE?

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luigi.pimpinella@kineton.it