embedded systems and IoT constraints

· implied tost - every device added to verwork is trusted and assumed to be from legit advice

- no authentication
- · crypto functions (insifed

desktop interior to abedded system

- · power
- · comprte embed only reeds certain resources to function

LTE machine type communication l'EM base hand vadio that supports " la vit bandwidth of

Cellular put bandwidth ot up to I mb per second

Narrowhand-Ist NB-Ist - bas band radio that has limit data rates between 20-100 kb per sec

more soitable for inaccessible locs that require signal penetrating perver

SIM - id of subscriber using LTE Bellular radio device

2.9bel - wireless comms profesol used primarily for home automation

oper sower

2.4 bhe

. - comm hop limit

no comm hop limit

System on a chip SoC - microchip

Huat contains all vecessary

parts a jc weds to operate

yarts a jc weds to operate

My itself

smart phone, tablet, watch primary concern = lata (255

Intrastructure as code IaC - manage data centers through auto means

field programmable gate array

FPGA - embedded controller

that see can program to ron

app

## industrial purposes

RTOS - embedded system that of devius W/ Hime-sensitive tasker

Ardvivo and raspherry pi, are Sol devices

Seusors - Fot devices that measure readings like temp, light, horid, pressure

producing false readings will couse emergency

Video entry phone - Iot smart device endpoint that can be of remote endpoint that can be of ...
was no effect on other devices

Physical access control system PACS

Net of locks, alarms, and sorveill

for automation

wight not generate emergency

SCADA

- manufacturing outs production syctems forges, wills, assembly

Evergy
power generation/distro
water/sewage

transportation

· Logisties

auto transport and lift sensors for comparent tracking sensors for comparent warehouse factory or distro warehouse

· Facilities

Site and brilding
HUAC,
weating, vent, and air
lighting, sec