

italmatic[®]

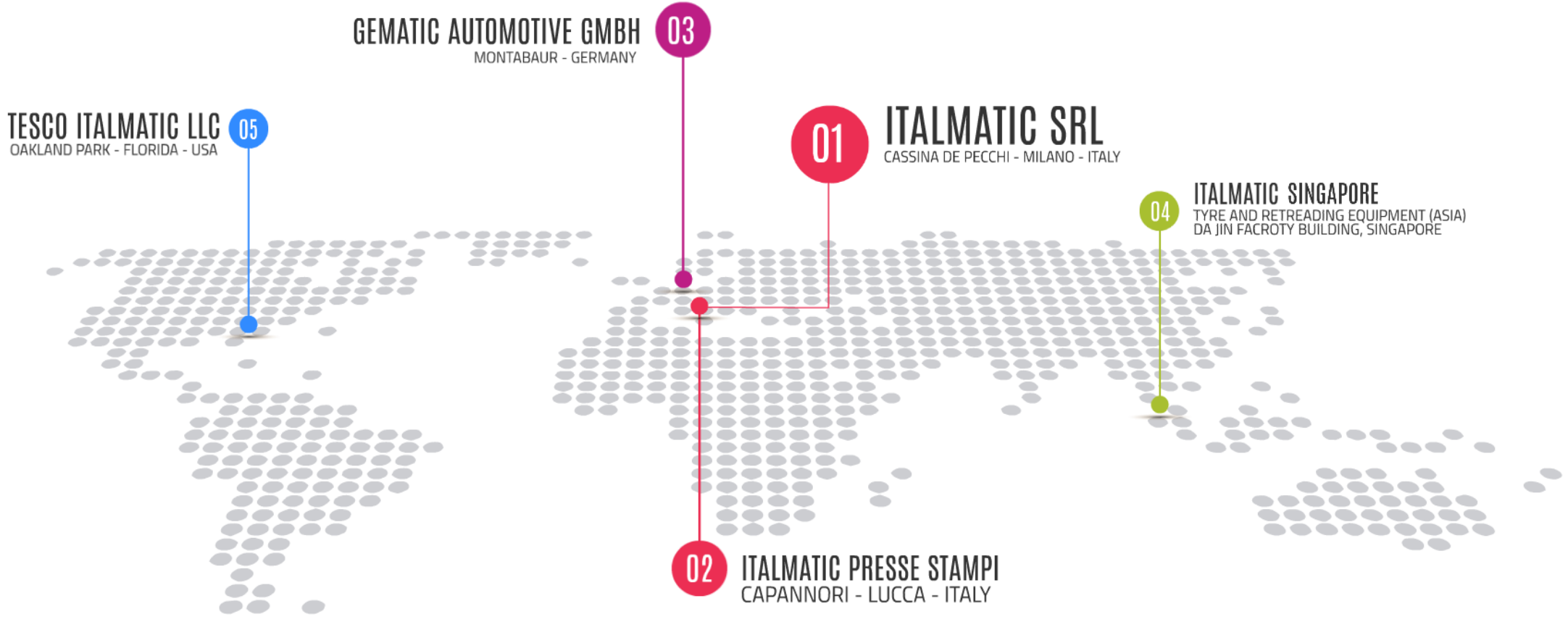
 ***italsensor***[®]
3.0evo **TPMS**

THE NEW GENERATION ITALSENSOR TPMS





- **Private, Family Owned Group**, established in 1966 in Italy, with headquarter in Italy (Milano)
- **Sound manufacturing know-how** both for high-tech machinery/equipment and accessories production
- **International presence:** both through global distribution network and commercial subsidiaries
- **Slim organizational** structure geared to an efficient and quick decision making process
- 200 employees worldwide (120 in Italy)
- Group sales turnover 60+ Millions Euro
- **Health Financials**



CONSUMABLES

TPMS	TYRE SERVICE
SENSORS	WHEEL BALANCING WEIGHTS
TOOLS	TYRE MOUNTING CONSUMABLES
SERVICES	TYRE REPAIR MATERIAL

- One-Stop-Shop
- **Bundle offer** → everything needed for Tyre Assembling!

INDUSTRIAL

TYRES	AUTOCLAVES	ROLLERS
TYRE RETREADING EQUIPMENT & ACCESSORIS	RUBBER INDUSTRY	EQUIPMENT FOR ROLLERS COATING
INDUSTRIAL SOLID TYRES	GLASS INDUSTRY	RUBBER COMPOUNDS
PRESSES & TYRE MOULDS	AEROSPACE AND COMPOSITE INDUSTRY	RUBBER COVER SERVICE

italmatic® Italsensor program

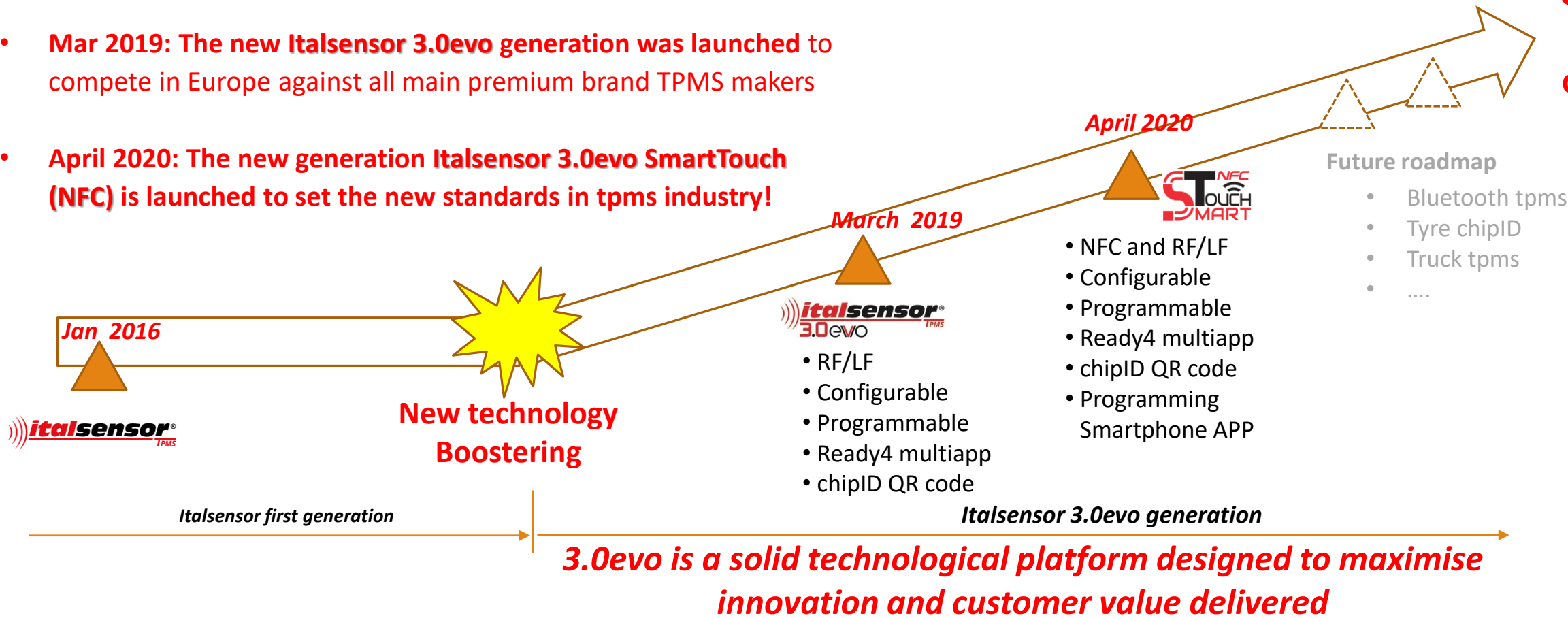


• Italsensor program brand was started on Jan 2016 with first generation sensor

• Mar 2019: The new Italsensor 3.0evo generation was launched to compete in Europe against all main premium brand TPMS makers

• April 2020: The new generation Italsensor 3.0evo SmartTouch (NFC) is launched to set the new standards in tpms industry!

Customer value delivered



Italsensor first generation

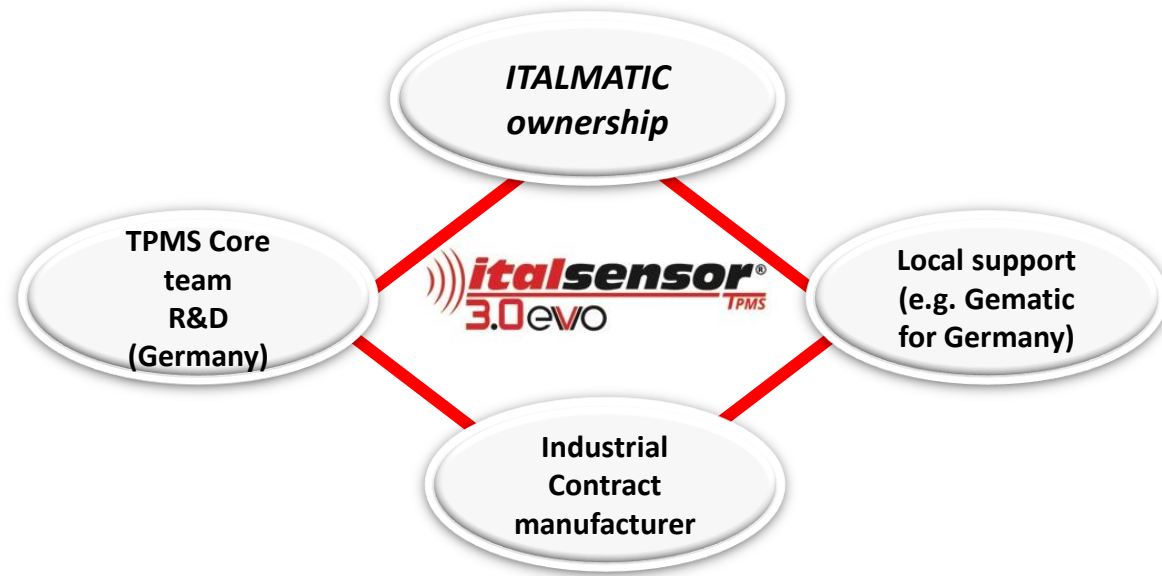
Italsensor 3.0evo generation

3.0evo is a solid technological platform designed to maximise innovation and customer value delivered



Key Success Factors

- *Italmatic ownership and control on product and roadmap*
- *Core TPMS technical team (located in Germany), based on senior engineers with sound experience in tpms industry*
- *Access to independent best in class technologies*
- *Reliable and cost effective industrial partner*
- *Coverage at highest levels (>99,7%)*
- *Global team, with local presence in Europe to provide best support to customers*



- One sensor with 433Mhz frequency
- 3 part numbers with valves already assembled (snap-in, clamp-in silver and black), same electronics.
- 15° fix angle design (better fitting on after market wheels)
- Light and compact design
- Maxell Japan battery quality
- PCB (printed circuit board) enhanced antenna solution and on board Extra Memory
- QR code lasered on sensor case, containing unique ChipID
- Warranty 3 years /100.000 km





3 Sec
Configurable

3.0evo is «**Configurable**» in **3 seconds** through most popular programming tools, with a coverage approx 99,5% of the European vehicles. Configuration is possible because the protocols are already stored in the sensor internal extra memory.



Programmable

3.0evo is also «**Programmable**» in a traditional way, in approx **10-15 seconds**, when the TPMS protocol for the new vehicles is not stored in the internal memory (e.g. for new protocols); in this way the sensor never becomes obsolete.



Multi-Protocol (poly-app) stored as a default in any 3.0evo delivered; **sensor can be directly installed on 160+ vehicles**, without any configuration of the sensor, among which the newest Mercedes and BMW ones and not only (multi-app Ready4 covers OE sensors : 3011, 3012, 3013, 3057, RDE077, etc).



On-board extra memory, also useful for future purposes and features implementation (e.g. storage on sensor of tyre-id)



The **QR code lasered on the sensor enclosure** contains the physical ChipID. If scanned during process can be used for QA purposes and traceability.



W.A.M. (Wheel Assembling Mode): special ability of the sensor to transmit a complete set of information the first few times it is activated by air pressure (tyre is inflated). The WAM set of information can be used in Industrial Solution to validate sensor installed in wheel set, against the order processed.



Built-in functions to **Lock & Unlock the sensor** depending on requirements of distribution and customers; allows to deliver sensor locked (e.g. pre-programmed sensors)

3.0 evo



Part numbers:

- IT-130 (rubber valve),
- IT-230 (silver valve),
- IT-230B (black valve)

- Universal sensor launched at beginning 2019.
- Configurable and programmable by traditional radio frequency (LF/RF) using tool such as Ateq, Tecnomotor, Texa
- Just approx 3 seconds necessary to configure the sensor
- Coverage 97%
- Part numbers: IT-130 (rubber valve), IT-230 (metal valve), IT-230B (black metal valve)

NEW

3.0 evo ST NFC TOUCH SMART



Part numbers:

- ST-130 (rubber valve),
- ST-230 (silver valve),
- ST-230B (black valve)

- High Tech Universal sensor launched May 2020.
- Same identical features, and coverage, as normal 3.0evo
- Configurable and programmable by traditional radio frequency (LF/RF) and **in addition through NFC** (near field communication) technology using a Smartphone or NFC devices (SmartTouch)
- The sensor use same valves as normal 3.0evo.
- Part numbers: ST-130 (rubber valve), ST-230 (metal valve), ST-230B (black metal valve)



The exclusive **SmartTouch feature (NFC antenna incorporated in the sensor)** allows to program italsensor 3.0evo in **milliseconds**, simply positioning the sensor nearby a NFC device, including smartphones (e.g. Windows, Android) and industrial dashboard pad. The key advantages of NFC are the speed in data transfer (sensor is configured in 0,5 sec), and the total absence of interferences which ensures only the sensor physically “touching” the device is getting programmed, and not any other sensor nearby located.

- Maximum speed (milliseconds) for programming
- Total absence of any interference (only the sensor “touched” is programmed) cancelling common risks typical of RF/LF communication
- Can be also programmed anyway by tpms tool (RF/LF) normally
- Enables full automation
- Enables Full traceability and QM
- NFC Near Field Communication is common and low cost technology very reliable, adopted by Credit Card and supported by smartphone makers



possibility to program 3.0evo directly through Smartphone app.
Reduce need to invest in tools for small tyre shop /garage

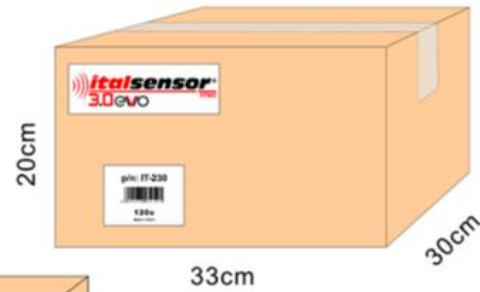


enables new generation of industrial end-to-end solutions for large scale players with fast and automatic sensor programming during tyre/wheel assembling process

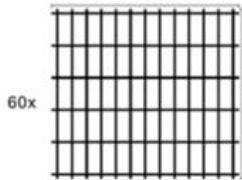
Master box:
30x individual
boxes



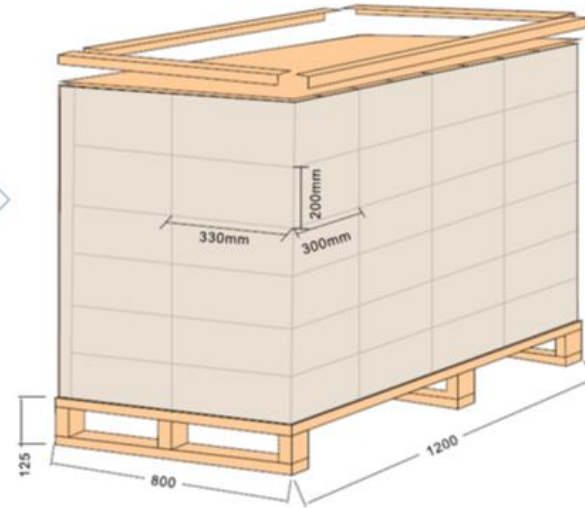
Outer carton:
120x sensors



Bulk:
2x 60x sensors



Pallet:
120pcs x 48 outer cartons = 5760 pcs



NEW



(p/n IT-7924)

- **IT 56/OBD tool** (*powered by Ateq VT56*)
- OBD module included
- Wi-fi enabled
- 4.3" LCD screen
- 1 years free updates included (all sensor brands)
- Possibility to connect tool to TTD Tyre Tread Depth digital gauge
- Soft Touch key board
- VIN bar code reader
- SD card storage
- Program sensor from historical data
- Full instructions for re-learning sensors
- Information about OE sensors and service kit part numbers
- Possibility to manually enter sensor ID



(p/n IT-7946-5Y)

- **IT 46/OBD tool** (powered by Ateq VT46)
- OBD module included
- 5 years free updates included (only italsensor programming)
- Possibility to unlock tool and extend to all other sensor brands supported by Ateq
- 3.5" LCD screen
- Possibility to connect tool to TTD Tyre Tread Depth digital gauge
- Soft Touch key board
- Full instructions for re-learning sensors
- Information about OE sensors and service kit part numbers
- Possibility to manually enter sensor ID

NEW



(p/n IT-7941-5Y)

- **IT 41/OBD tool** (powered by Ateq VT41)
- OBD module incorporated in the tool
- 3.5" LCD screen
- 5 years free updates included (only italsensor programming)
- Full instructions for re-learning sensors
- Information about OE sensors and service kit part numbers
- Possibility to manually enter sensor ID

italmatic® Italsensor 3.0evo and 3.0evoST service kits



(p/n IT-130-V1)



(p/n IT-230-V1)



(p/n IT-230-V1B)



(p/n IT-230-V1T)

NEW

- All supplied in boxes containing 10 single pieces
- Interchangeable between 3.0evo and 3.0evoST

Italsensor 3.0evoST: 3 methods to program the sensor



- Tyre shop professionals and TPMS re-sellers can take advantages because of the new and Smart ways to program the sensor:
 1. **In traditional way**, using a tpms tool RF/LF (e.g. IT46)
 2. Using NFC, simply installing the **free of charge Italsensor3.0evoST App (through Google Play)** on NFC enabled Android device
 3. Using NFC, for wheel assemblers having the need to program many sensors during peak season, **by using a dedicated PC software connected to NFC PAD reader/writer:**
 - The PC software is able to support full log file traceability, sensor QR code control, labels printing, integration to ERP /B2B system for full automation.
- **With NFC methods usage programming is simple and add a lot of benefits: just tap the sensor! NO interferences, TOP Speed (<1sec)!**
- **Watch the video** to compare of the 3 programming methods:
<https://youtu.be/4ol68KqZH2w>