GWF Labs MIKE
Measuring flow – from drops to rivers

TEI.the Student Branch

Cyberspace, 21st February 2022

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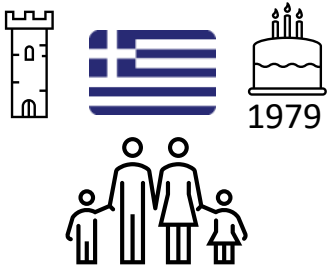


Who is talking

Alexandros Tintinis

(Senior Embedded Software Engineer)





Experience

Senior Embedded Software Engineer
GWF MessSysteme AG · Full-time
Jun 2021 - Present · 9 mos
Thessaloniki, Central Macedonia, Greece

Measuring, collecting, and managing consumption data for water.

Olympia Electronics
Full-time · 12 yrs
Kolindrós, Central Macedonia, Greece

Embedded Systems Manager
Oct 2020 - Jun 2021 · 9 mos

R&D Manager in Addressable Panels Projects.

Development Team Lead
Sep 2019 - Oct 2020 · 1 yr 2 mos

Coordinate, manage and provide mentorship and technical guidance to the team of developers.

Senior Embedded Engineer
Jul 2009 - Sep 2019 · 10 yrs 3 mos

Safety and Security Systems.
- Circuit design, microcontrollers programming, product development management.
- Architect, lead engineer and firmware developer of major projects (addressable panels with hundreds of kilobytes of C code).

Firmware Developer & PCB Designer
Kyklon Automation · Full-time
Apr 2004 - Apr 2009 · 5 yrs 1 mo
Thessaloniki, Central Macedonia, Greece

Elevator Applications.
- Developed firmware for the lift's main control panel.
- Designed PCBs for elevator's automatic doors, main panel boards, display boards and more.



Office evolution



2019

Kick off

SW Dev Team starts growing

Jan 2020

Establishment

SW Dev Team has 6 developers

Aug 2020

Getting bigger

Embedded team kick off

Dec 2020

Transformation

Office redecoration and lab creation

Jun 2021

Getting bigger

Thessaloniki site manpower = 26 devs and engineers

Today

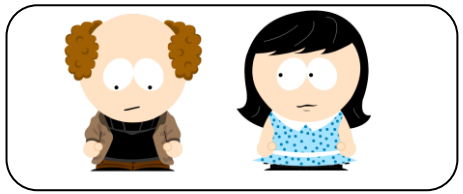
Getting bigger

At least 9 open hires

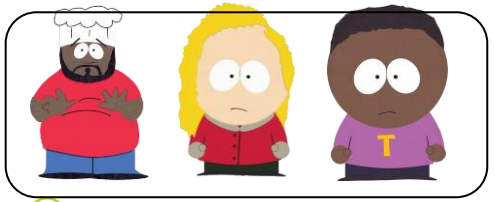
Such a huge tech stack calls for unparalleled unity and collaboration

Team **Embedded**





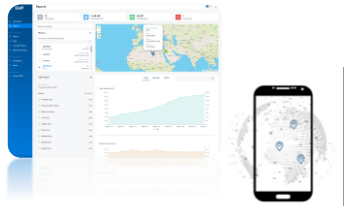
New Hires











Team **Software Dev**

Meters

Standards & Proprietary protocols

Backend Infrastructure

Mobile & Web Applications

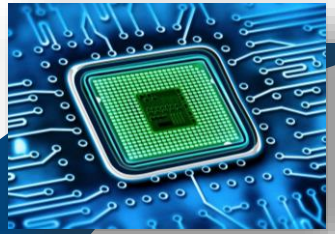
GWF

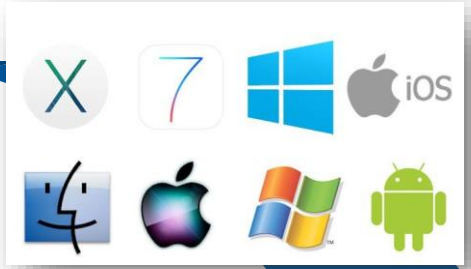
We design Flow Meters that speak many languages…

- Manual readout
- Wired
- Wireless



The anatomy of a noble meter has many layers of abstraction

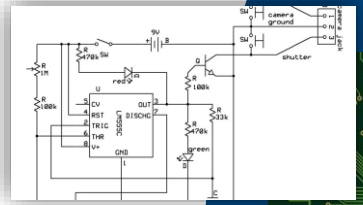


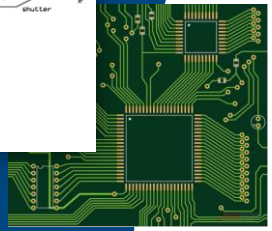


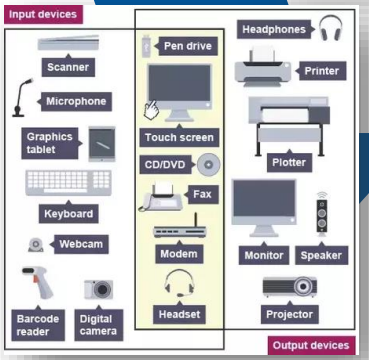






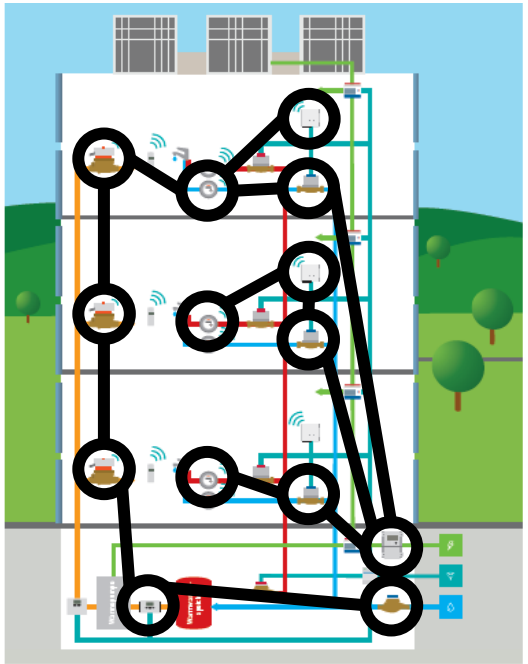






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An ecosystem



IoT is the ecosystem of metering devices talking to each other

IoT Devices

Edge & Communication

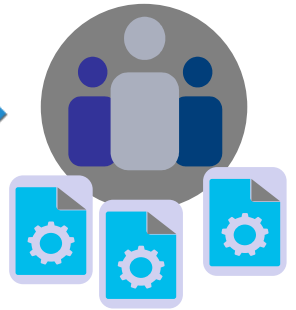
Cloud

Users & Applications





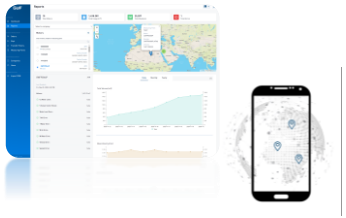




Household	Business/Industry
 Domestic water	 Domestic water
 Domestic gas	 Commercial & industrial gas







Meters

Standards & Proprietary protocols

Backend Infrastructure

Mobile & Web Applications

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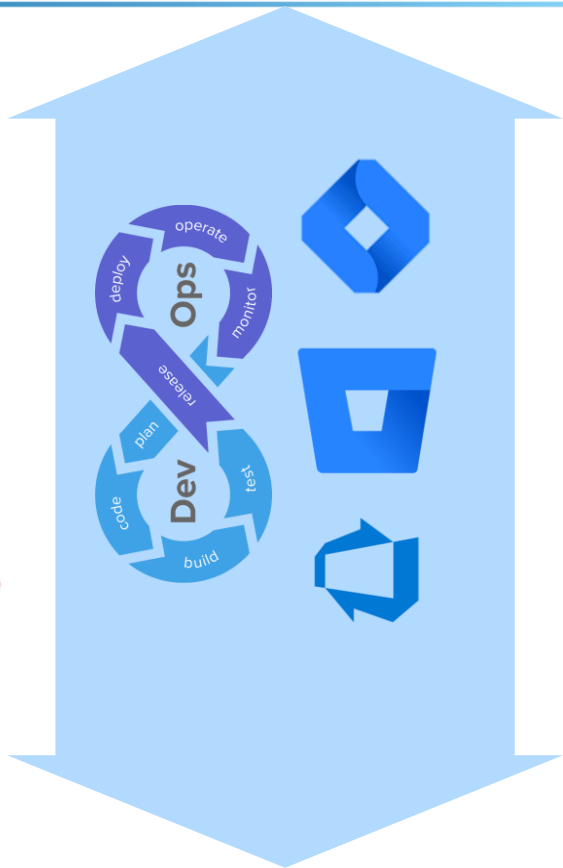
We use the latest-and-greatest tools for development

Software

Protocols

Firmware

Hardware



Stay tuned – follow us on LinkedIn | Get in touch!



info@gwf-labs.gr

Great Place To Work.
Certified
02.2020 - 01.2021




Thank you
Q&A – Cyberspace
21.02.2022
be there at 16:30
GWF