

Tomasz Widomski

MEMBER OF SUPERVISORY BOARD AT ELPROMA

Entrepreneur and businessman with over 30 years of IoT / IIoT experience. An expert in the field of synchronization and related cybersecurity, mainly implemented in sectors such as financial market, telecommunication, smart-grids and public e-administration. Within his whole career path, Tomasz obtained good knowledge of the market and hence products from following companies: ELPROMA, MICROCHIP/MICROSEMI, ADVA/OSCILLOQUARTZ, MEINBERG, TEKRON, OROLIA/SPECTRACOM.

Consultant responsible for the strategy of distribution of the official state (legal) UTC time at the Central Office of Measures of the Republic of Poland (GUM). Participant and member of the EU expert teams in Brussels (DG-Energy / DG-Connect). An IT engineer and visionary, who sympathizes with quantum cryptography QKD technologies - but only those one that basis on reasonable pragmatism.

Co-founder of the ELPROMA company and its first CEO (1992-2014). On a daily basis, Tomasz deals with PTP IEEE1588 time server division, where he combines business with science and a hobby.

www.elpromatime.com



CONTACT DETAILS

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E5 77 B1 88 F1 D9 9A AC DC F3 77 12 AF 80 88 90 36 D3 D0 BA 67 57 09 96 58 4C 0A 39 8C 9C B3 00 A6 EB E1 1A 9A CD B9 D9 B4 3F AB 87 24 9C 57 5F F3 B1 92 F6 B1 AA 64 A1 CB 64 9E AB AD BC 94 A0 1E EE CB E5 21 B9 C7 C6 04 1F D5 ED 19 9A 55 E5 18 91 45 86 4E D2 53 44 99 32 E6 25 46 7F 14 4A CC 25 91 73 5C DA D9 A5 7C E6 BF AA 69 AC B2 59 AF E4 FE 48 75 8B 1E 80 8E E5 FA 2B 4A 39 47 0C D8 00 1F 56 20 56 9C AC AD EF D3 5E 17 F7 8C 08 57 CA E5 01 5E 18 1D 2D 49 7D 2E 26 81 15 1C A6 2A 90 41 93 9A 86 40 7A 76 17 EA EA 4A C1 08 B2 13 8C 93 4D F1 D6 19 E1 BF 41 AA 8D 0A 90 F9 9C 92 53 E1 FF 78 BB 88 3C 40 2C 7A 08 96 F4 F7 1D 2C EE 4D 53 88 7C 80 2B 3F 3E EF 8C 41 42 D3 A9 CC DC AC 6C 9F 7C 89 21 80 07 8D 5F 54 AF 2F E9 F5 04 57 E1 3C 56 CE AC 2C 74 85 4E E0 07 EB

CAREER GOALS

- **Make tomorrow, today** - by developing State of the Art sync technology suitable for **Industry 4.0** markets,
- **Growth through innovation** in a world where the technological landscape is being revolutionized by new ideas,
- **Value Management** of a company that follows the shareholders' and stakeholders consensus,
- Enable and stay open for **participation of young staff**
- The challengeable projects make **well work motivated**
- Increase the barrier of business entry by reaching **expert level knowledge** at niche sync market
- **Break stereotypes** but still avoid fighting the market

OBTAINED SKILLS

BUSINESS

- *Government relationship, state critical infrastructures*
- *Company and team management, incl. engineering teams*
- *High-tech IoT/IIoT R&D project management*

PUBLIC RELATIONS

- *Representation of the company company in a form of guest performances, presentations and public seminars*
- *Presentation and promotion of technology & products*
- *Running and maintaining company's FB / LN*

LANGUAGES:

- *English, Full professional proficiency (C1)*

PUBLICATIONS

- **White Rabbit CERN** at PTTI Long Beach 12/2011
- **PTTI/ION Monterey (USA)**, 01/2016
- **European Frequency & Time Forum**, 04/2016
- **ESMA MiFID-2** meeting London/UK, 02/2017
- **DG-Energy**, EC Brussel Security (EC) 02/2017
- **Paris AIR Show Salon Du Bourget** 04/2017
- **Polish Office of Measures**, Warsaw 11/2019

Full list of events:

seminars -> <https://elpromatime.com/seminars/>

publications -> <https://elpromatime.com/publications/>

GDPR CONSENT STATEMENT

I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation)

R&D PROJECTS

DEMETRA HORIZON 2020

2015 - 2016

Goal of the project:

Development of the *"Trusted Time Distribution with Auditing and Verification facilities"* for **GALILEO**

Obtained total budget: 3.5 million EUR.

Project hosted by: GSA (<https://www.gsa.europa.eu>)

Tasks:

- Project leader for DEMETRA Time Service #2 (TSI #2)
- Development of the functionality of remote time & clock auditing (client's side),
- Development of retrospective (metrological) assessment of whether the time used in the past by the end-user was legally valid / invalid in terms of official state UTC(k) time.
- Professional metrology tests at London Physical Laboratory (NPL), Italian (INRIM), Polish (GUM)

Usage/Application: CLOUD/EDGE/FOG computing, IIoT/5G critical infrastructures, Industry 4.0 App

Link: <http://rime.inrim.it/H2020-Demetra/>

<https://www.gsa.europa.eu/demonstrator-egnss-services-based-time-reference-architecture>

SAFE-TIME CLOUD

2017 - 2018

Goal of the project:

Creation of a cryptographic PKI time stamping mechanism in the IIoT cloud

Obtained budget: 0.4 million EUR

Tasks:

- Mentor and active participant of the project (PR, creating publications, conducting seminars)

Usage/Application: IIoT cloud computing for M2M/Telemetry, public administration, banking

Link to the project: <https://www.safetime.pl>

CERN WHITE RABBIT & OTHER PROJECTS

2009 - 2015

CERN WHITE RABBIT (2009-2012)

<https://elpromatime.com/wp-content/uploads/2018/10/PTTI-2011-White-Rabbit.pdf>

TAKT (2014-15) dedicated embedded synchronization computer (zero-offset)

TASTE (2013-14) M2M/telemetry **CLEPSYDRA CRYPTO** (2009-10) air-traffic controls

WORK EXPERIENCE (ELPROMA)

Synchronization of large energy infrastructure smart-grids in Asia	2019	MEMBER OF SUPERVISORY BOARD 2018- NOW
Management buyout (MBO) with domestic partners ELPROMA company's status - 100% Polish capital	2013	MEMBER OF A BOARD 2014-2017
Introduced and built the first synchronization infrastructure for the Polish Air Navigation Services Agency PANSA	2008	R&D PROJECT SUPERVISOR 2009-2017
Start of production of time servers in Poland Beginning of R&D Telemetry / M2M	2002	CEO ELPROMA 1992-2013
Commencement of R&D works in synchronization The first Polish DCF77 clock for IT	1994	
Acquiring a foreign strategic investor	1992	

EDUCATION

POSTGRADUATE STUDIES (2012-2013)

Capital Company valuation and Enterprise Value Management

Warsaw School of Economics (SGH)

MASTER OF SCIENCE IN COMPUTER SCIENCE (1984-1990)

Construction & software programming of mathematical machines and computers

Warsaw University of Technology - Faculty of Electronics, Institute of Computer Science of WUT