# R&D Manager
## *Job  Profile*

*Time&Frequency, Network synchronization, PTP White Rabbit*

## 1  The company

OPNT is a young and ambitious start-up / spin-off company of VU University Amsterdam. OPNT develops cutting edge timing solutions for fiber-optic infrastructure, telecommunications or other networks requesting highly accurate synchronization. OPNT is the first worldwide provider of short and long haul optical timing and synchronization solutions based on the *White Rabbit* Ethernet protocol, developed at CERN.

We are looking for an all-round electrical engineer / software programmer to strengthen our team. As an ideal candidate for the job, you hold a Bachelor or Master degree in Electrical Engineering and/or Computer Science, and you bring in demonstrated experience in electrical engineering and software programming, applied in the field of time & frequency or synchronization.

Affinity and familiarity with electronics, telecommunications principles, analog and digital hardware are a must.

At OPNT we offer you a position in a small yet rapidly growing team in a cutting-edge R&D environment. As an engineer at OPNT you will have a unique opportunity to obtain high-level engineering skills in network timing and synchronization, which will be essential for the coming generations of telecommunications networks and terrestrial positioning systems. OPNT is a flexible, ambitious and fast-growing organization. Suitable candidates with good managerial skills may grow into leadership positions as the company expands.

Primary location : The Netherlands – Amsterdam

Work schedule : Full-time

## 2  Core requirements

2.1  Several years' experience in Research & Development of products and services, dedicated to network synchronisation infrastructure, ideally in the telecommunication and/or time & frequency (T&F) industry,

2.2  Deep and broad knowledge of network synchronisation issues (Wireline, wireless, broadcasting, time transfer,), in SDH, SONET, IP PTP, NTP, LTE,  etc.

in order to understand market needs and provide the company with up to date technical solutions,

2.3 Deep and broad knowledge in telecom infrastructure, products, services, technologies and operations,

2.4 Experience and preferred qualifications are:
- Experience with analog and digital electronics, HW and SW design,
- Experience with hardware programming (microprocessors, FLASH devices, FPGAs),
- Experience with Linux operating systems, shell scripts, and interfacing (Ethernet, TCP/IP, serial interfacing, ADCs and DACs),
- Proficiency in high-level scripting and/or programming languages (C++, Python),
- GUI and web development skills,
- Experience with electro-optics (diode lasers, fiber-optics, photoreceivers),
- Excellent software debug skills.

# 3 Responsibilities

3.1 Develop products and technologies requested by OPNT's markets, operations and customers, as defined by the CEO and CTO,

3.2 Contribute to the company strategic scientific and technical road map, based on company targets and know-how and market requirements,

3.3 Organize R&D activities and coordinate product & technology portfolio with the company,

3.4 Identification and acquisition of new technical know-how and expertise in the field of T&F applicable in OPNT products.

# 4 Scope and area

4.1 Product : develop the product portfolio, product feature and ad hoc technologies in tight co-operation with company management for strategic technologies and product development requirements.

4.2 Gathering and consolidation of scientific and technical intelligence. Follow international activity in the field to identify new technical options, market needs and develop the synchronization product strategy in close cooperation with company management and R&D,

4.3 Promotion : contributes to writing of pre-sales and user manual documentation. Promote the PTP-WR concept in scientific communities by participating to conferences and providing technical papers. Contribution to synchronisation seminars and training with distributors and customers. Contribution to PTP-WR seminars.

## 5  Activities

5.1  Coordination, prioritization, planification, follow up of development tasks,

5.2  Supervision and coordination of all actions with R&D team and potential subcontractors,

5.3  Identify and acquire new know-how or technologies potentially useful for OPNT products portfolio,

5.4  Training and support the sales forces in providing answers to customer's requirements,

5.5  Participation, some time to time, to visit main customers with sales force or management,

5.6  Contractual negotiations with subcontractors.


## 6  Soft skills

6.1  Your attitude is best described as pro-active, creative, flexible and ambitious. You are an efficient worker, capable of planning ahead of time and distinguishing essential matters from side-issues,

6.2  Affinity and familiarity with electronics, telecommunications principles and digital hardware is a must,

6.3  Fluent in English, written and spoken. Additional languages are desirable,

6.4  Analytical thinking, and synthesis capability, capacity of management of a small multi-tasks R&D team, (tasks allocation, delegation, control, correction), ability to define targets and provide support to team members,

6.5  Autonomy, capacity of integration, organisation, systematic, and multitasking capability, Familiarity with business operations (quality management, budgeting, planning),

6.6  Good presentation and comfortable in presenting to scientific or professional audiences,

6.7  Project and results oriented.


## 7  Other

7.1  Compensation: to be agreed on, based on expertise and experience,

7.2  Intensive contacts with CEO, CTO, and customers,

7.3  Preferred personal skills are:
- Pro-active, decisive, takes ownership,
- Strong communicator with a pragmatic attitude (prioritize main and side issues),

- High personal standard of quality,
- Ability to work comfortably in both individual and team environments,
- Good command of English,
- Good written and verbal communication skills.

Please send your application and a resume in English. to

Simone le Feber:   s.l.feber@opnt.nl

Agency and third party recruiter notice:

Agencies that submit a resume to OPNT must have an agreement executed by a member of the board. In addition, agencies may only submit candidates to positions for which they have been invited to do so by OPNT. All resumes must be sent to S. le Feber under these terms or they will not be considered.