

Systems Engineer – High-end Imaging & Space applications

At Phase One, we create some of the world's most advanced imaging systems — trusted for aerial mapping, cultural heritage preservation, industrial applications, and increasingly, space-based missions.

We are looking for an experienced Systems Engineer to help shape the next generation of high-performance imaging platforms.

This is a unique opportunity to work at the intersection of optics, electronics, software, and system engineering — turning complex technical challenges into reliable, mission-ready imaging solutions.

What you will do

As Systems Engineer, you will take ownership of the system perspective across development — from concept and architecture through integration and manufacturing.

Your responsibilities will include:

- Define and evolve system architectures for advanced imaging platforms
- Ensure technical consistency across optics, hardware, electronics, firmware, and software
- Drive structured systems engineering processes, documentation, and design reviews
- Support the development and optimization of high-performance metric imaging systems
- Collaborate with internal specialists and external partners on calibration, validation, and system verification
- Help translate complex customer and application requirements into robust technical solutions
- Maintain the end-to-end systems view throughout the product lifecycle

What we are looking for

You bring strong engineering fundamentals, curiosity, and a structured way of working.

We imagine you have:

- MSc in Engineering (or equivalent technical degree)
- 5+ years of experience in systems engineering, system architecture, or related technical development roles
- Experience from the space industry, aerospace, defense, or other highly regulated/high-reliability environments
- Strong understanding of embedded systems, electronics, signal processing, or related technologies
- Experience working with structured development methodologies and quality assurance frameworks
- Strong analytical skills and attention to detail
- Excellent English communication skills, written and spoken

It would be a plus if you also have

- Experience with aerial imaging or photogrammetry
- Familiarity with optical systems or image sensor technologies
- Experience with CAD or technical modeling tools
- Experience with design verification, validation, and compliance processes
- A passion for imaging technology and solving complex multidisciplinary challenges

Why join Phase One?

- Phase One offers a unique workplace where you'll be empowered to let your skills shine
- You'll be working with 150+ talented and experienced colleagues in an international atmosphere of trust and empowerment
- We are an equal opportunity employer; we welcome diversity and are committed to creating an inclusive environment for all employees
- You have the opportunity to make a real impact on shaping the future of photography systems and imaging solutions
- Based near the center of Copenhagen, our office is easily accessible by public transport and bike
- You'll work in a dynamic, exciting, and collaborative environment

Benefits

- Plenty of snacks, fruits, coffee, and tea to keep you going throughout the workday
- Massages at the office, gym discounts, and DHL relay race participation
- Social club with regular fun activities such as beer tasting, Friday bars, parties, and more

The practicalities

- Contract: Full-time
- Start date: As soon as possible
- Travel: Expected (mainly within EMEA)
- Location: Copenhagen, Denmark

Application

We review applications continuously, so we encourage you to apply as soon as possible.

If you have questions about the role, please contact:

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About Phase One

Phase One sets the benchmark for high-end geospatial imaging by designing and manufacturing aerial camera components, compact systems, software packages and lifecycle services for high-precision aerial mapping and data collection.

With more than 30 years of imaging expertise, Phase One has built a reputation for uncompromised image quality — not only in resolution and dynamic range, but also in the geometric accuracy, radiometric consistency, and reliability required for photogrammetric workflows at scale. This technological foundation supports professionals across aerial mapping, infrastructure, utilities, environmental monitoring, defense and space — driving greater efficiency, flexibility and operational value.

Phase One continuously evolves its portfolio — advancing sensor and camera technologies, expanding software capabilities, and enabling seamless integration with OEM and partner platforms. Through scalable software offerings, structured upgrade and migration paths, as well as long-

term service programs, we help customers maximize the lifetime value of their systems while preparing for next-generation capabilities.

At Phase One, our values guide how we work and grow together:

- We listen and learn – feedback drives our innovation and improvement.
- We innovate with purpose – creating solutions that truly empower our customers.
- We are in it together – collaboration and support are at the heart of our success.
- We win, celebrate, and evolve – recognizing achievements and continuously striving to be better.

Join us and be part of a culture built on curiosity, collaboration, and excellence.

www.phaseone.com