

ENEAA OSE

AREA OF COMPETENCES: Embedded Systems
INDUSTRY: Telco

CHALLENGE



Enea needed a large team of skilled engineers to offload the development effort for their OSE Delta Operating System product in order to support an ambitious product roadmap.

SOLUTION

We and Enea jointly developed a plan to assemble a team of 25+ experienced embedded software engineers with various expertises like driver and firmware development, file systems development, TCP/IP stack development and RTOS knowledge in general. The new organization group mirrored the existing ENEAA R&D organization and was connected directly with existing Enea development teams. They were immediately involved in on-going and coming projects.



The effort we participated included:

- Porting of OSE 5.x on different architectures (MIPS, MIPS64, StrongARM, PowerPC);
- Driver optimization to use hardware acceleration;
- Multicore (SMP) support;
- Improving OSE driver architecture;
- Adding SCTP, VLAN, IPV6, PPP support to networking stack;
- Adding NFSv4 support to file system;

- Adding VFAT support to OSE file system framework;
- Extend automated test framework;
- Measuring and improving test code coverage;
- Various maintenance, optimization, test and automation work.

Our engineers followed the Enea R&D development processes and share the same rights and responsibility as any Enea R&D engineer. Type of collaboration is time and material, the project is still running and life expectancy is estimated at 2 years.

ABOUT OUR CLIENT

Enea is a global software company, a telecommunications specialist with a real-time operating system that puts it at the cutting edge of technology. The company's applications broad based growth across key verticals like datacom/telecom, wireless devices, avionics and defense, was also encountered in the automotive and medical technology industries.