



VMS Software

International OpenVMS Forum

Eindhoven - March 7, 2023



Agenda

- Company update
 - Reason we exist
 - Value to our customers
 - Capacity to deliver
- Roadmap update
- Questions

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The Reason We Exist



In 2013 HPE announced end of support for OpenVMS



Our Start

Why we exist

In 2014, Swedish entrepreneur, Johan Gedda and a group of former HPE/DEC executives founded VSI as part of the Teracloud Group. The objective was to keep the OpenVMS eco-system alive and to **protect customer and partner investments.**

Our Vision

What want to achieve

By linking the past to the future, we help OpenVMS users to protect and realize the **full value of their applications.**

Our Mission

What we need to do

We combine leading edge technology and new industry standards with OpenVMS systems to provide our customers and partners with **choice and opportunity to profitably prioritize business needs.**



Value To Our Customers



Investments to protect customer investments

Product Development

- Itanium support
- X86 support
- PerfDAT
- Layered products

New Standards & Technologies

- LLVM compilers
- Open source
- ISV support
- Cloud services

Professional services

- Core services
- Migration services
- Application services
- Operational services

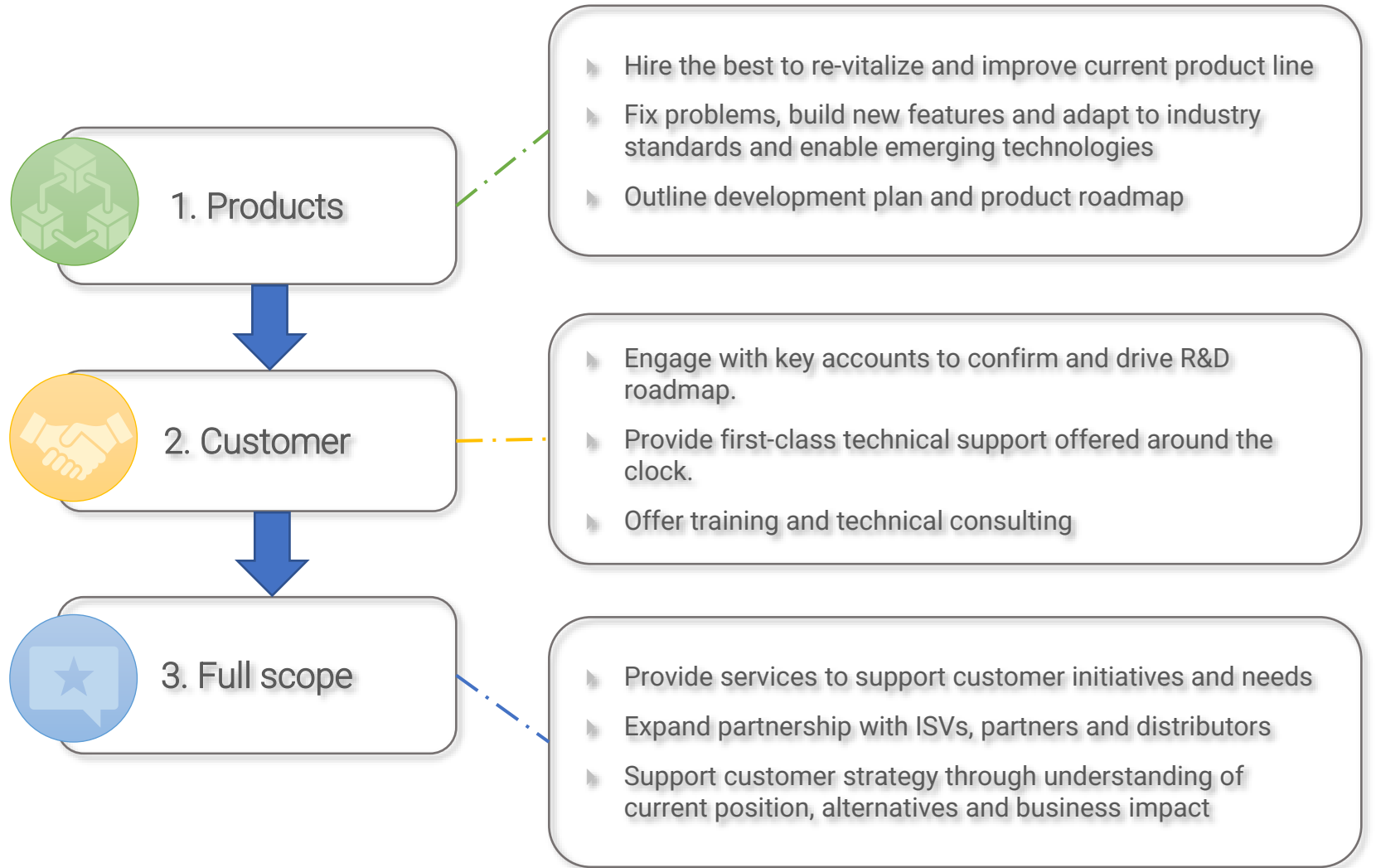
New
alternatives
&
Extended
timelines

Customer
choice
based on
business
driven
decisions



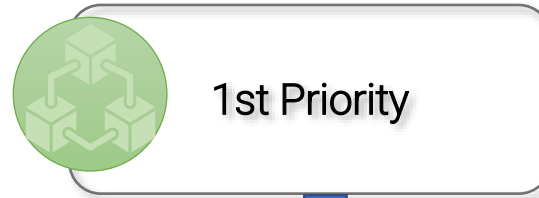
Evolution to meet customer expectations

Step by step approach to support customer needs and priorities

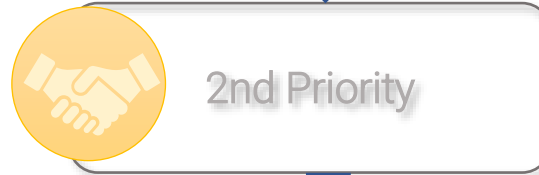


Priorities to meet customer expectations

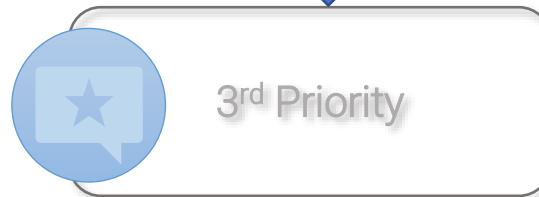
Step by step approach to support customer needs and priorities



- ▶ Service the customer base by
 - ▶ Delivering the OpenVMS X86 portfolio
 - ▶ ISV support or create alternatives
 - ▶ Migration support and services
 - ▶ Vision and roadmap of OpenVMS for the future



- ▶ Develop the customer base by
 - ▶ Cloud/Linux co-existence for OpenVMS applications
 - ▶ Expand services portfolio
 - ▶ Continue to deliver OpenVMS improvements, products functions



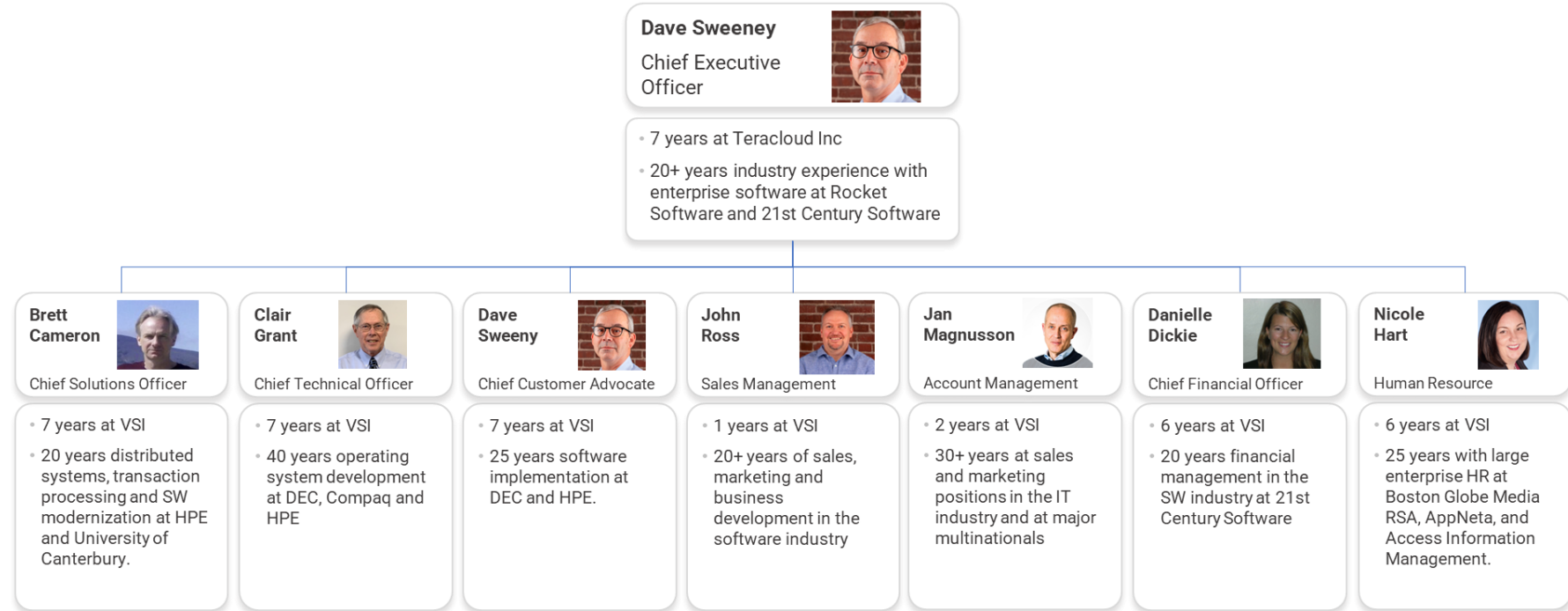
- ▶ Expand the customer base by
 - ▶ i.e Finding new segments and niches for OpenVMS
 - ▶ i.e Offering OpenVMS unique functions to broader customer base
 - ▶ i.e Hybrid Cloud solutions for latency sensitive apps



Capacity To Deliver



Experienced leadership



- Solid and proven experience of software and operating system development
- Proven ability to recruit and train future specialists and leaders
- Strong project and professional services record
- Used to working internationally and with global customers and deliveries



VMS Software on a solid foundation

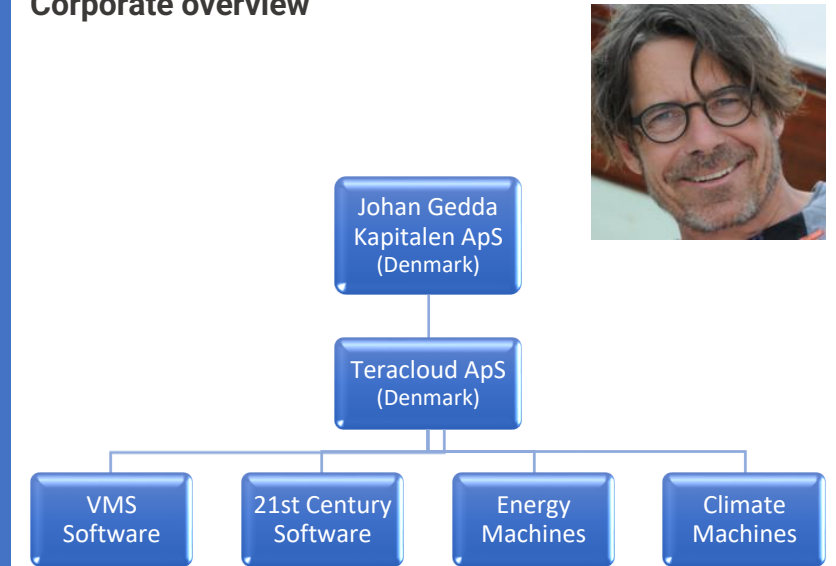
Teracloud fundamentals

- ▶ Teracloud was founded in 2013 by serial entrepreneur Johan Gedda with 30+ years in advanced software industry
- ▶ Johan Gedda profile
 - ▶ Co-Founder of Rocket Software driving product development and growth in ZOS environment
 - ▶ Successfully led Rocket's strategy to a 200 MUSD revenue business.
 - ▶ Former Director of Paradigm, multi-national software business
 - ▶ Swedish national based in Denmark
- ▶ Solid balance sheet and healthy financials
- ▶ Experienced management team with proven record of operating systems, system software, IS/IT infrastructure, critical systems and professional services.

Teracloud strategy

- ▶ Combine leading edge technology and proven systems
- ▶ Protect customer and partner assets
- ▶ Target growth by investments in R&D
- ▶ Solve business problems with products and services
- ▶ Partnerships model with major OEM HPE, IBM and Dell EMC.

Corporate overview

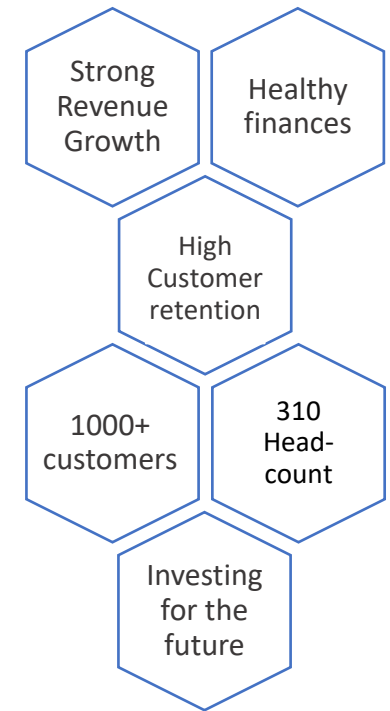
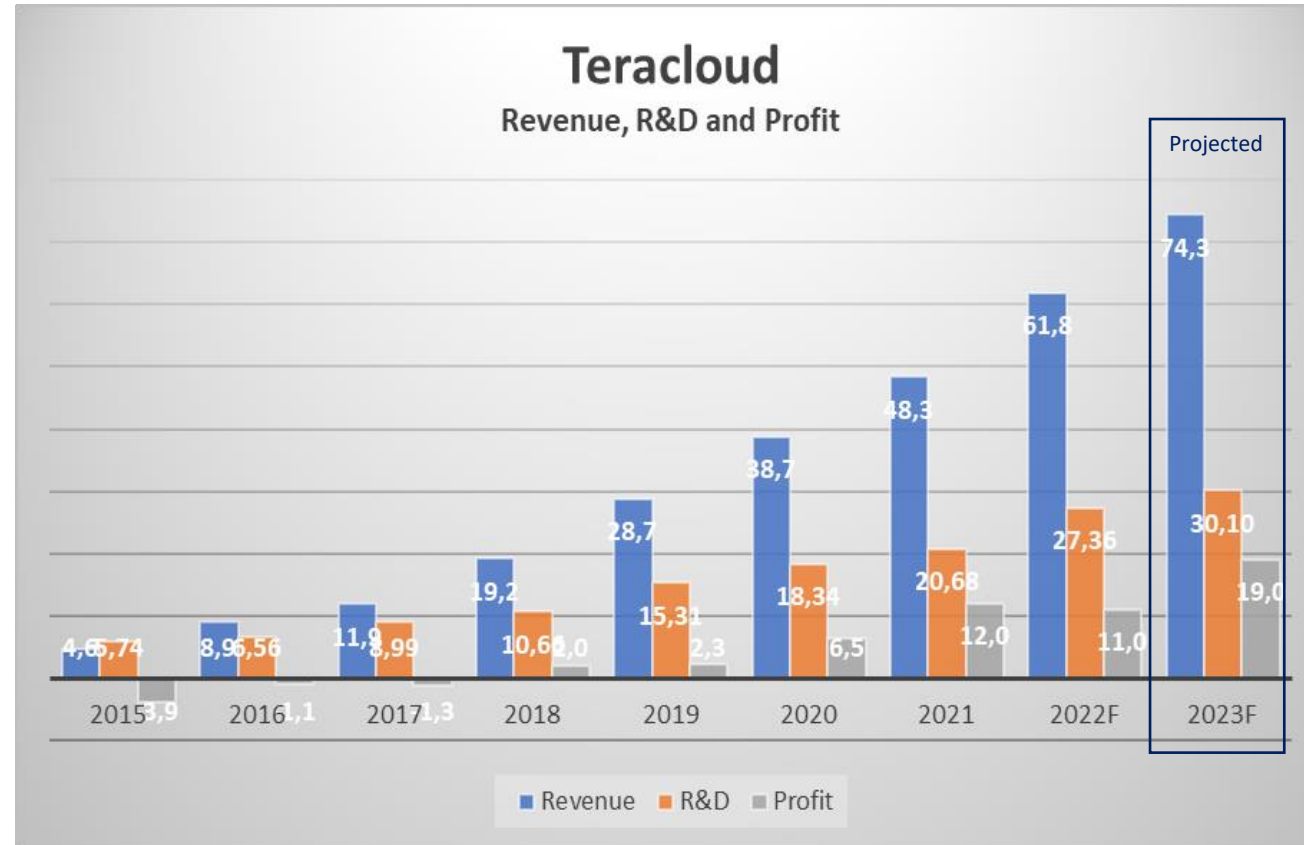


Customer Benefits

- ▶ Protecting investments
- ▶ New alternatives and opportunities
- ▶ Control of strategy, direction and priorities
- ▶ Cost savings potential
- ▶ Increased profitability



Growth, R&D and positive outlook



- Wide customers base with broad industry and geographical coverage
- High customer retention and acceptance of VSI as partner/supplier
- Increasing interaction with V9.2 and native compilers in reach
- Significant business opportunity for profitable growth



Balance for the future

Core OS and layered products

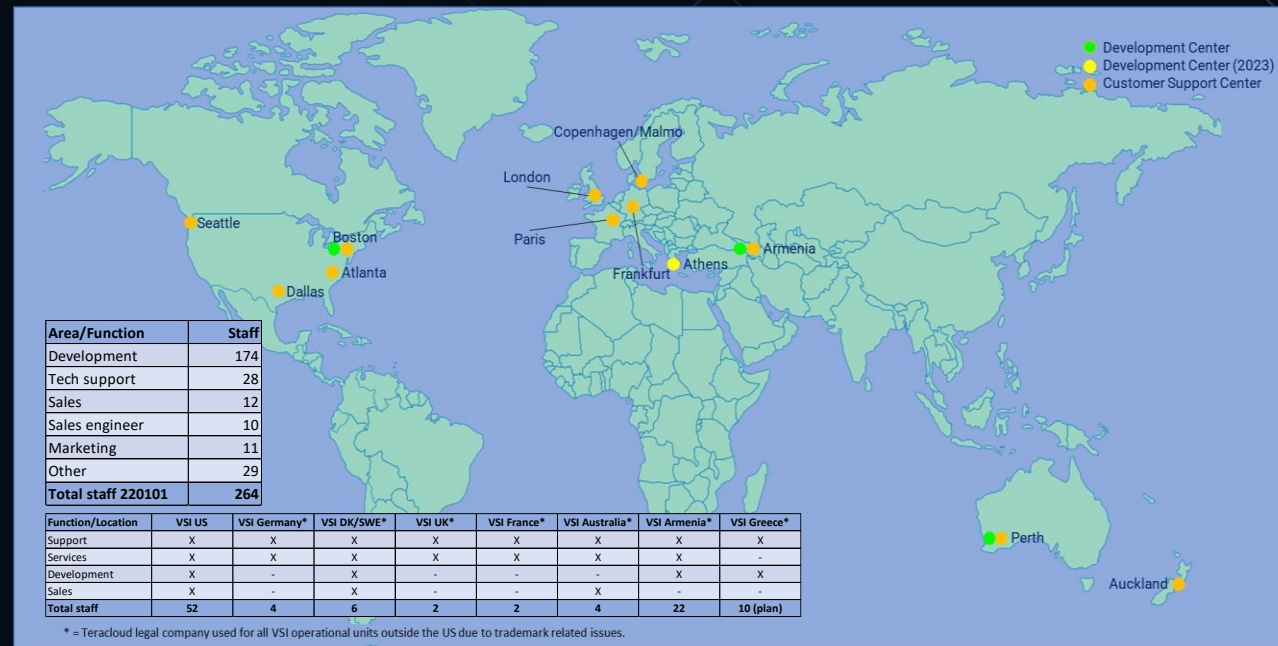
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- Layered product mostly in the US

Compilers

- Split between the **US** and **Armenia**.
- Plan to expand team in **Armenia** to support the top set of compilers

Open Source

- Current open source products remain in **Armenia** and **Denmark**
- New development allocated to **Greece**.



Balance for the future

Core OS and layered products

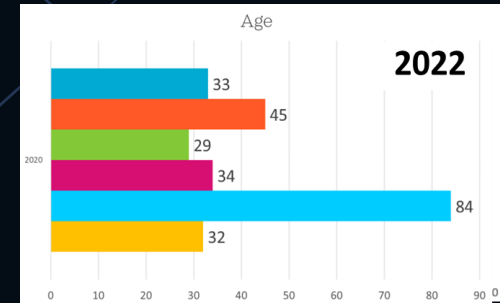
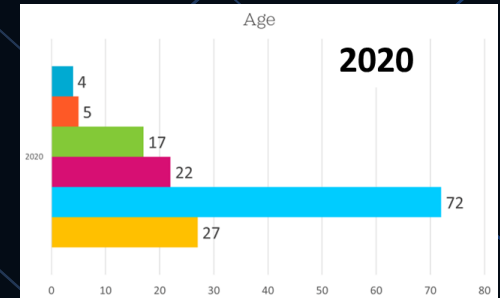
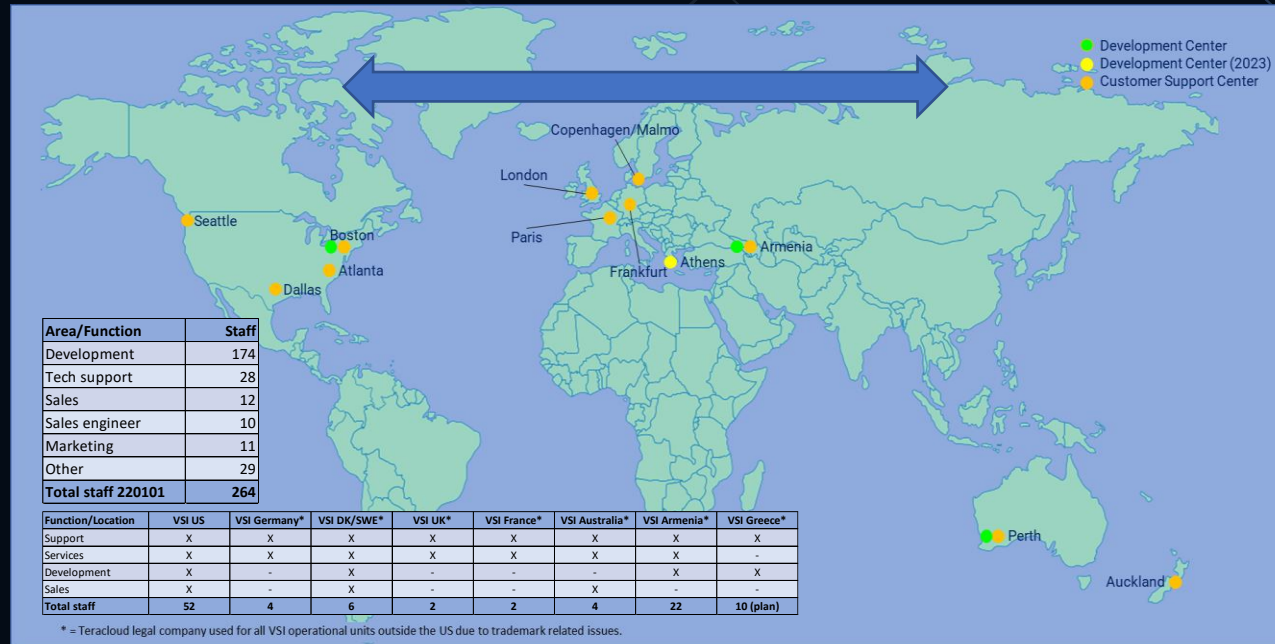
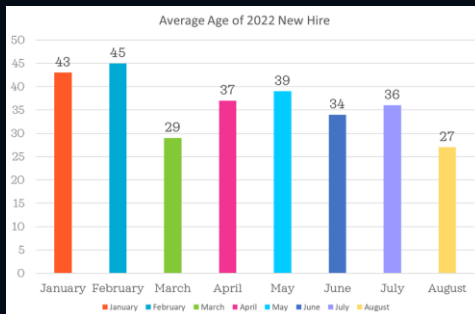
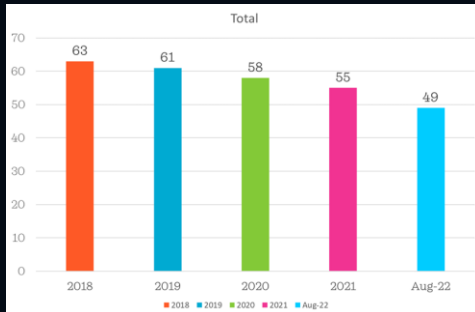
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Summary

VSI is not a department – it is a company completely dedicated to:

- Developing outstanding and innovative products and solutions
 - Combining proven systems with leading technologies and industry standards
 - Providing unique high-level support, training and professional services
 - Protecting customers investments
-

VSI is a company characterized by:

- Healthy finances, profitability and growth
- High customer retention
- Solid management team and owner
- Growing staff and belief in the future
- Continuous investments to support customer needs



Roadmap update



VSI R&D x86 Objectives

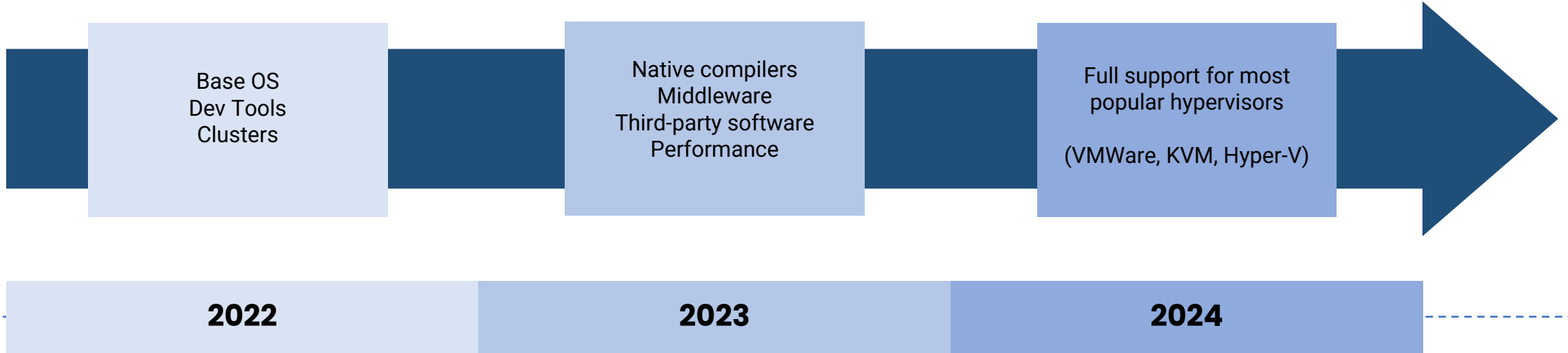
To port the **entire OpenVMS ecosystem** to x86

- OpenVMS OS
- Development tools
 - Compilers (C/C++, COBOL, FORTRAN, Pascal, BASIC)
 - OpenJDK
 - DECset
 - Debugger
- Layered Products and Open Source
- Third-party applications (middleware, databases, etc.)
- Customer applications

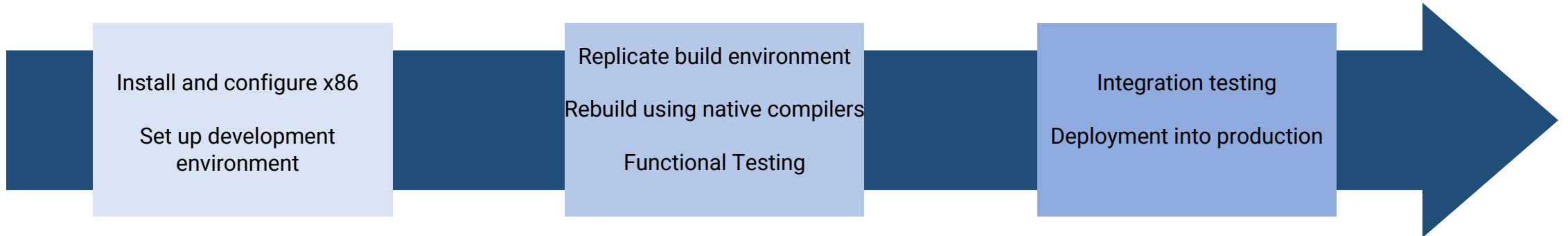


x86 Timeline

VSI



Customers & ISV Partners



Current state of OpenVMS Ecosystem

OpenVMS

- 9.2 Update 2 is 95% functionally complete
- 9.2-1 Field test ready in March
- One missing component: ACME Agent

Layered Products and Open Source

- Most have been ported to x86
- Complete list is available here:
<https://vmssoftware.com/products/list/>



Current state of OpenVMS Ecosystem

C++

- Internal testing is underway. We use it to build OpenJDK for x86 and other applications written in C++
- Field test is underway. Sign up to participate.

C

- Preparing for field test.
- An excessive internal testing is in progress.
- Field test is underway. Sign up to participate.

FORTRAN

- Have a version that looks very good.
- Will focus on it once C and C++ are out
- Field test is underway. Sign up to participate.

Debugger

- Under testing. Will be included in 9.2-1

Pascal, Cobol and Open JDK

- Moving better than plan

OpenVMS is currently built using the cross-compilers. A project is ongoing to build OpenVMS using the native compilers. It is in very early stage.

Current state of OpenVMS Ecosystem

Third-party applications (middleware, databases etc.)

We are working with ISVs to assist them with porting their software to x86

Some major vendors are already porting

Some vendors do not plan to port their apps to x86

- We will provide alternatives to their software based on customer input

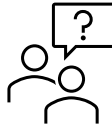


OpenVMS v9.2-1 (H1 2023)

"First step to achieve the strategic goals. Stable enough to be used by customers and ISVs to port their applications to x86."



Intuitive use



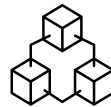
AMD support



Performance



Task-based documentation



Most popular native compilers



OpenJDK Beta



Thank you

