



# Polyamp AB Company Profile

## The Polyamp businesses

Polyamp has two main sector of operations:

- Industrial grade DC/DC Converters and Power supplies
- Signature Management Systems, Systems Division

## Industrial grade DC/DC Converters and Power supplies

Polyamp has designed, manufactured and marketed industrial grade switched mode DC/DC converters since 1970 with power ratings from 30 to 2000 W. There are more than 350 standard types in the Company's current product range and some of them are kept in stock for higher service degree.

Polyamp's DC/DC converters are used in many applications where the customers demand high reliability and accuracy performance throughout their whole life. Particularly when operating in very harsh electrical/physical environments. All Polyamp units are designed for easy installation and do not need any additional electrical or EMC protection when integrated into customer applications.

During this time Polyamp has successfully delivered and supported DC/DC converters in a wide range of applications, and in so doing has established a reputation for quality, reliability and on time deliveries.

Polyamp supplies switched mode power supply systems with high reliability and dependable performance in harsh electrical and physical environments. Product range covers:

- DC/DC converters 30 to 2 kW
- Inputs from 10 up to 850 Vd.c.
- Outputs from 5 to 150 Vd.c.
- AC/DC Power Supplies 5 - 6 kW where we also sell Delta Elektronika and Powernet products.

Customers include railways, electric vehicles, the armed forces, air traffic control and the process and power industries including nuclear.

Applications include:

- Train and Track Side
- Process Control, safety systems
- Power Plants (including Nuclear 1E class)
- Power / DC Distribution & Telecom
- Forklifts, Electrical Vehicles
- Radio applications
- Industry
- Naval and Military
- Air Traffic Control



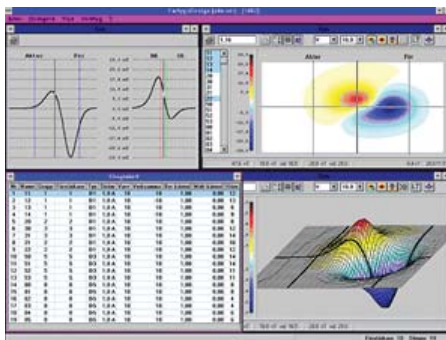
# Signature Management Systems, Systems Division

The Systems Division of Polyamp AB specializes in the design, manufacture and supply of Signature Management and Control Systems for Worldwide applications within the International Naval Industry.

Polyamp supplies Military Systems such as:

- Degaussing Systems.
- Influence Mine Sweep Supply Systems; *MSS2000*.
- Range Software; *SWECADE*.
- UEP/ELFE Measurement Systems
- Exercise Mine Systems; *POEMS*.
- Underwater Multi Influence Sensor Systems; *UMISS*

Customers include Shipyards, Navies, Governments and Prime Contractors from the International Naval Community.



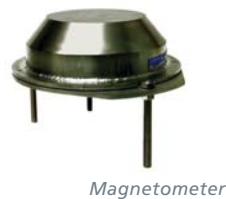
Typical SWECADE display



Sample UMISS equipment



Surface Ship Power amplifiers



Magnetometer

## Systems Deliveries and Experience

The Company's experience in Degaussing is considerable with over more than 25 years that covers the design and supply of Digital Degaussing equipments for submarines, steel surface ships and mine countermeasure vessels (MCMVs). All Polyamp AB Degaussing systems are fully digitalized, with multiple magnetometer control, and all are of the Advanced type (ADG) and using the latest type of modern hard/software open oriented. Latest design are of the modern decentralized type. They include:

- RSwN MCMVs type Landsort and Styrös class; (11 ships)
- RSwN Gotland Class Submarines; (3 submarines)
- Range Software; *SWECADE*.
- RSwN Corvettes type Stockholm, Göteborg classes & the Visby Class Stealth Corvettes; (11 ships)
- Singapore Navy Bedok Class Minehunters & Challenger Class Submarines; (8 vessels)
- US Navy San Antonio Class Landing Platform Docks; (11 ships)
- Royal Danish Navy Absalon Class Flexible Support Ships and Nils Juel class Frigates; (5 ships)
- Royal Danish Navy SF MKI MCMV vessels; (2 vessels)
- US Navy CVN 77 Air Craft Carrier; (1 Carrier)

Other Systems delivered are:

- Multi Influence Sensor Systems for France; DCNS & DGA, (2 systems)
- Several UEP/ELFE sensor systems for RSwN, US, India, Germany and other International Navies

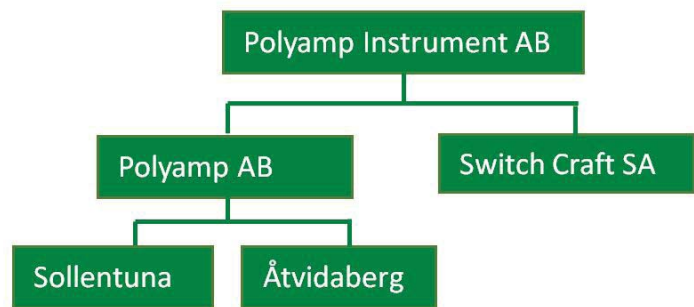
## Polyamp Staff Background

The Polyamp Management and Production includes:

- System specialists with long experience in Electromagnetic Signature Management
- Electronic Engineers, Mechanical designers and Software engineers with very long system, production and design experience
- All production personnel including Production preparation and purchase have very long experience in the electronics industry, many have worked for Polyamp for more than 25 years and all production personnel are qualified for their specific responsibilities

## Polyamp Structure

Polyamp Instrument AB is a holding company owning 100% of Polyamp and Switch Craft SA. Polyamp Instrument AB is 100% owned by Östlund family.



Head office and Systems Division  
In Sollentuna



Åtvidaberg location



La Chaux-de-Fonds location

## Locations and facilities

The head office of Polyamp AB is located in Sollentuna, Stockholm, the capital of Sweden. The activities of the Systems Division are concentrated in Sollentuna and includes project management, product development, final assembling, and systems tests prior to delivery and installation.

Polyamp is also located in Åtvidaberg some 240 km south of Stockholm. The international marketing, sales and supply of DC/DC converters for both Polyamp AB and Switch Craft SA is located in Åtvidaberg. The site produces the electronic sub-assemblies for the Systems division products and has the product development, product maintenance, and electronic production and test facilities for the DC/DC converters. The factory in Åtvidaberg has newly been renovated and expanded with 40% more space all built-to new conditions.

The daughter company Switch-Craft S.A., is located in La Chaux-de-Fonds, Switzerland, covers the development and production of AC/DC and DC/DC converters in the power range of 50 to 600 W.

# Assessments

## Quality system

Polyamp AB is Certified ISO 9001:2008 and approved Vattenfall Swedish Nuclear Plants Class 1E.



## Environmental system

Polyamp AB is currently operating in accordance with a simplified version of ISO 14001.

## Personnel assessment plan

Polyamp AB follows Swedish regulations that are in line with, or more severe than EU regulations. Very similar to OHSAS18001.

## Security level

Class II according to Swedish Defence definitions, both on sites and computer systems and networks.

Applicable personnel are qualified and certified by the Swedish Defence Material Administration FMV, to work up to the level of Secret.

## ITAR export regulations

As a Swedish defence contractor Polyamp AB are to comply with all applicable US ITAR regulations. The Kingdom of Sweden has as a western nation closely applied to the US export regulations for armed material. This work is under surveillance of the Swedish Export Authority; Inspection of Strategically Products (ISP).

## International Registrations

D-U-N-S no 35-430-3372

CAGE / NCAGE S4231



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