

## CASE STUDY

# SETTING NEW STANDARDS FOR BUILD QUALITY

**Lütje Yachts builds a beautiful new 35ft Daysailer with WEST SYSTEM® and PRO-SET® epoxies**



### Products Used

- WEST SYSTEM 105 Epoxy Resin
- WEST SYSTEM 205 and 206 Hardeners
- PRO-SET Laminating epoxy (LAM-125 Resin and LAM-226 Hardener)

### Application Areas

- Bonding
- Laminating

### Customer

Lütje Yachts



**||** We've tried other brands over the years but we always come back to WEST SYSTEM and PRO-SET epoxies, which give us the quality, reliability and consistency we need to achieve exquisite results for our clients every time."

Jan Hendrik Böhm, Owner and Master Boatbuilder, Lütje Yachts



Photograph courtesy of Lütje Yachts

Over the last 25 years, Lütje Yachts has used WEST SYSTEM and PRO-SET epoxies to build 30 new motorboats and yachts and to deliver a large number of restoration and repair projects. Now the company is using these epoxy systems to create its new Judel-Vrolijk-designed "Daysailer 35", which combines classic lines with modern handling. Using WEST SYSTEM and PRO-SET epoxies helps Lütje Yachts achieve the highest quality standards on every build, ensuring an exquisite finish with years of trouble-free sailing for clients.

## Challenge

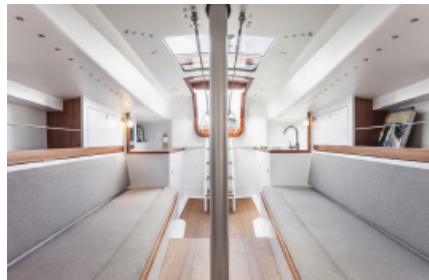
Lütje Yachts, which was founded by Günther Lütje in 1956, is now recognised as one of Germany's finest boatyards. The company, owned and run by master boatbuilder Jan Hendrik Böhm, has built more than 30 motorboats and yachts over the last quarter century, as well as delivering numerous high-profile restoration, refitting and repair projects.

To achieve the best possible results for customers Lütje Yachts uses WEST SYSTEM and PRO-SET epoxies on all its new builds, restorations and repairs.

Jan Hendrik Böhm, Owner at Lütje Yachts, comments, "Just as we select the best wood and hardware, we also need the best marine-grade epoxy for our work. We've tried other brands over the years but we always come back to WEST SYSTEM and PRO-SET products, which give us the quality, reliability and consistency we need to achieve exquisite results for our clients every time."

**||** We use WEST SYSTEM epoxy on a wide range of applications, from bonding underlying structural components and laying down teak decking, to bonding down hardware. By using a trusted epoxy system across multiple applications, we can guarantee the quality and durability on every new boat we deliver."

Jan Hendrik Böhm, Owner and Master Boatbuilder, Lütje Yachts



Photograph courtesy of Lütje Yachts



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## Solution

Lütje Yachts is now using WEST SYSTEM epoxy and PRO-SET epoxy to create its new Judel-Vroljik-designed "Daysailer 35", which combines classic lines with modern handling. "We wanted to create a fun, manoeuvrable daysailer that was finished to the highest standards," says Jan. "That's exactly what we've achieved with this yacht, which is getting a lot of positive attention in the press."

To optimise the handling and durability of the Daysailer 35, Lütje Yachts uses WEST SYSTEM products. "We use WEST SYSTEM epoxy on a wide range of applications, from bonding underlying structural components and laying down teak decking, to bonding down hardware," says Jan. "By using a trusted epoxy system across multiple applications, we can guarantee the quality and durability on every new boat we deliver."

Lütje Yachts' passion for quality also extends to the hull of the Daysailer 35, which is built using the strip-planking method. Underlying planks and angled veneer strips are bonded using WEST SYSTEM epoxy and the hull is then covered with bi-axial glass fabric 'wetted out' with PRO-SET Laminating epoxy (PRO-SET LAM-125 Resin with LAM-226 Hardener).

"We use PRO-SET epoxy to laminate the hull because it is extremely strong and easy to work with, as well as giving us the long open time we need to finish the entire hull in a single session," says Jan. "We save even more time by applying a layer of peel ply to the exterior surface of the laminate, which helps us to minimise post-cure sanding."

## Benefits

### Optimal build quality and durability

Lütje Yachts is renowned for the quality and durability of its motorboats and yachts thanks, in part, to its use of WEST SYSTEM and PRO-SET epoxies. "We build beautiful classic boats that need to stand the test of time," says Jan. "With WEST SYSTEM and PRO-SET epoxies we can guarantee years of trouble-free sailing for our clients, while minimising post-sales support requirements and costs."

### Improved operating efficiency

Because WEST SYSTEM epoxy is easy to work with, Lütje Yachts has optimised the efficiency of its build process. "With just one resin system for a range of applications, we can work quickly and efficiently," says Jan. "There are no errors when mixing or applying product, which means we can get everything right first time."

### Streamlined restorations and repairs

The versatility of WEST SYSTEM epoxy helps Lütje Yachts to deliver a wide range of repair and restoration projects. "With our knowledge of WEST SYSTEM epoxy we are able to deliver the most complex projects, from fitting new engines for clients, to repairing holes in wooden and GRP hulls," says Jan. "In all cases we can be confident that projects will meet our clients' high expectations and stand the test of time."

### Excellent service and technical support

"We always get the products we need on time, which means our build process is never interrupted," says Jan. "The technical team also gives us on-site support during builds, as well as helping us to navigate new build requirements or product changes."

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Jan Hendrik Böhm, Owner and Master Boatbuilder, Lütje Yacht

## Rebuilding one of Germany's most prestigious yacht clubs

With a reputation for excellent craftsmanship, Lütje Yachts was invited to work on the new Norddeutscher Regatta Verein (NRV) clubhouse in Hamburg.

"It was an honour to help the NRV rebuild its clubhouse after the fire they had there," says Jan. "They wanted the best craftsmen in the country to work on their windows, doors and other wooden elements and we're delighted that they chose Lütje Yachts. Of course we used WEST SYSTEM epoxy for the job, just to make sure the quality and finish were perfect."



Photograph courtesy of Lütje Yachts

### Challenge

- Optimising build quality for clients
- Providing years of trouble-free sailing
- Enhancing operating efficiency

### Solution

- WEST SYSTEM 105 Epoxy Resin® with WEST SYSTEM 205 and 206 Hardeners
- PRO-SET Laminating epoxy (PRO-SET LAM-125 Resin and LAM-226 Hardener)

### Benefits

- Optimal build quality and durability
- Improved operating efficiency
- Streamlined restorations and repairs
- Excellent service and technical support
- Rebuilding one of Germany's most prestigious yacht clubs

## West System International products

**WEST  
SYSTEM®**



### The WEST SYSTEM® range

After nearly five decades of continuous innovation, WEST SYSTEM epoxy is still recognised as one of the best general-purpose marine grade epoxies in the world. It is formulated to ensure ease of use and we also offer the best technical support to all our customers. The range, originally developed for boatbuilding, boasts superior strength and moisture resistance which makes WEST SYSTEM epoxy the number one choice for marine repair and maintenance.

**PRO-SET®**



### The PRO-SET® range

PRO-SET products are used for building high-performance, lightweight composite structures that can withstand the harshest environments. Designed for use in wet lay-up procedures involving woven and multi-axial glass, aramid, carbon-fibre and hybrid fabrics, our PRO-SET resin-hardener combinations have been formulated specifically for laminating, infusion, tooling and assembly. The range has been recently reformulated and expanded to better meet the demands of modern composite manufacturing.



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West System International is a division of Wessex Resins and Adhesives. It has been working in close partnership with Gougeon Brothers, Inc., the formulators of WEST SYSTEM® and PRO-SET® epoxies, for more than 30 years. WEST SYSTEM and PRO-SET epoxies are manufactured under licence in the UK. WSI has an extensive international distribution network throughout Europe, Africa and the Middle East.