

# **Whitepaper 10**

**Modular Futures: How SIPs Enable Scalable Housing Solutions**

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## **Executive Summary**

The future of housing is modular. SIPs provide the structural core for prefabricated solutions that can be shipped globally and assembled quickly on-site.

## **The Challenge: Housing Shortages**

Population growth and urbanization demand faster, scalable building solutions.

## **The Solution: SIPs in Modular Construction**

- Flat-pack shipping for efficient logistics. - Standardized panels enable repeatable, scalable solutions. - Compatible with containerized transport for export housing.

## **Evidence**

- SIP modules have been deployed in Europe, North America, and Asia. - Demonstrated scalability in emergency housing and resort developments.

## **Relevant Standards (NEN/EN/ISO)**

• NEN-EN 1995-1-1 – Timber structures • NEN-EN 14509 – Sandwich panels • NEN-EN ISO 13920 – Prefabricated elements tolerances

## **Conclusion**

SIPs make modular housing practical, scalable, and sustainable.

## **Call to Action**

Contact Quacent B.V. for modular SIP solutions at [www.quacent.eu](http://www.quacent.eu) or [info@quacent.eu](mailto:info@quacent.eu).