

MOBILE

movable with regular driving license

Tiny TIM is very mobile and can be transported with the use of a trailer, operated by a driver with a regular driving license. A mobile home offers a lot of freedom in comparison with a traditional home. For either short or long periods of time, Tiny TIM can be deployed on locations where other solutions are too expensive or technically impossible. An autarkic, movable home can be used for a variety of purposes and destinations.

Deployable on locations where other solutions are too expensive or technically impossible.

One of our ambitions is to use temporal urban wastelands in a better, smarter, and more useful way. Tiny TIM is flexible and therefore suited for different kinds of use. Seasonal use with a recreational purpose on special locations is also a possibility, since Tiny TIM can function autarkic. Tiny TIM might also be used by organizations such as the Dutch COA, to temporary house refugees. Housing corporations could use Tiny TIM as temporal housing while existing homes are renovated. In this way, the occupants could remain in their own neighborhood.

Tiny TIM is designed in such a way that the trailer underneath can be removed. This is especially useful when Tiny TIM can remain on one location for a longer period of time. The trailer then doesn't suffer weather consequences and one trailer can be used to transport multiple Tiny TIM's.



More information?

For more information or to subscribe to the Tiny TIM newsletter:
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The Tiny TIM Core Team is FARO architecten, IC4U, Waitlands, and C van der Grift Bouw. Important co-creators are, amongst others, Studio Nuance, Our Green Spine, Green Art Solutions, Triple Solar, PowerOak, Ruiter Electronics, Ecosave,

Zwart Hout, Unilin, Accoya, HB Water-technologie, Constructiebureau Tentij, Reflexy/CDWU, and Morgo Folietechniek.

Tiny TIM is supported by the municipality Texel, WonenCentraal, and Waterschap HHNK.



TINY

the new sustainable?

Imagine this: small is large enough for you. Tiny TIM is smart about resource use, extremely energy efficient and has low living expenses.

If you go 'Tiny', you go for 'less is more'. You choose smart alternatives for regular solutions. But how can you do so while sticking to quality and comfort? How can you deal with energy, resources, and waste in a smart way? And how can you reduce your CO₂ emission?

The lack of space asks for smart solutions, like in a yacht. The interior of a yacht cabin is flexible and multifunctional; your bed turns into a couch and there are clever storage units everywhere. Tiny TIM is designed with the same logic. The table can be folded down, the couch also serves as a spare bed and as storage space. In the new interior the kitchen is placed on top of a platform, hiding a bed, cabinets, and the technical equipment underneath.

Less resources.

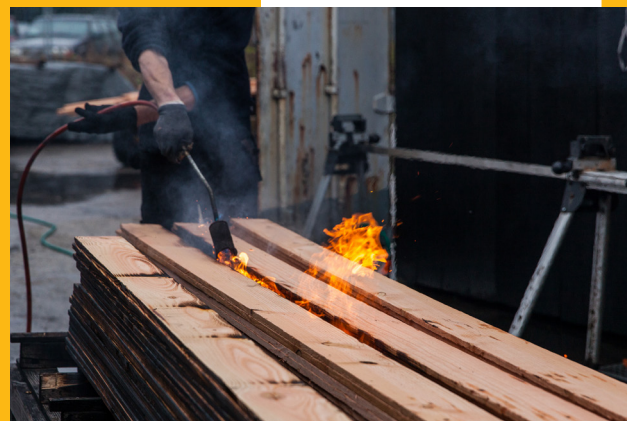
Less energy use.

Less living expenses.



TIMBER extremely durable and bio based

Tiny TIM only weighs a hundredth of a regular house, making Tiny TIM very economical with resources on forehand.



Wood is beautiful and sustainable. Wood is part of the biobased materials, but also has an amazing combination of qualities. Wood has the capacity to store CO₂, but wood is also lightweight, wood breaths, wood insulates, wood is strong, wood is multifunctional.

Tiny TIM uses wood pure and sustainable. The facade of Tiny TIM is constructed out of burned wood; Shou Sugi Ban, literally 'burned cypress', is a traditional Japanese technique, where the confirous wood is burned on one side. The carbon layer protects from pests and fungi, is water repellent, and fire retardant. Painting isn't necessary! The window frames are made from Accoya. This wood is treated with vinegar and as strong as tropical hardwood, but much more sustainable and painting isn't necessary...

Tiny TIM is constructed out of a lightweight and breathing construction kit of so-called SIP-panels (structural insulated panels). The lightweight and strengths of the SIP-panels make it possible to build Tiny TIM with a lightweight. Building breathing structures might seem self-evident, but that's not the case; many buildings nowadays are completely closed off with damp proof foils. The difference between damp permeable and damp proof buildings can be seen as the difference between a regular rain suit and a rain suit lined with goretex.

**Wood is lightweight.
Wood is beautiful.
Wood is insulating.
Wood is sustainable.**

INDEPENDENT



100% autarkic is more than being off-the-grid

You might think that living independent and building autarkic is for far-away countries. But in the Netherlands there are also occasions where you might want to be or have to do without connections to the grid. Tiny TIM goes beyond most other mobile concepts. Where most concepts use gas cylinders, diesel generators, and chemical toilets, but that's not sustainable enough for Tiny TIM. Tiny TIM is 100% autarkic in water and energy use.

The most striking part of Tiny TIM might be the first-ever green water purifying facade wall®, constructed by Our Green Spine/Green Art Solutions. A small piece of facade of roughly 6 m² is enough to create clean, potable water out of the shower water, dishwater, and urine. This is done through a network of planters and water tanks.

Tiny TIM has an Ecosave/Separett dry toilet with urine separation. This solution collects faeces and paper to be dried and, after three months, disposed as organic waste. Urine is collected separately and purified together with the dishwater and shower water.

Tiny TIM uses two separate wind terminals: the low savonius wind mill, suited for higher wind speeds, and the higher wind mill with blades, which is suited for the lower wind speeds.

Another aspect to deal with in tiny houses is the limited roof area. A smart concept by Triple Solar PVT resulted in panels that harvest solar energy three times from the same surface: through solar cells (PhotoVoltaic), and through a combination of warm water and air. Energy is stored in a buffer tank of 500 liters of water with the help of a small heat pump. This warm water is both used to heat Tiny TIM and as hot tap water.

Two Lithium-Ion batteries (together 7,5 kWh) are used to store surplus electricity, to be used at night or on the less sunny days, to make sure the super-efficient equipment (A+++) and the LED-lighting continue to work.



**Tiny TIM is unique
in its sustainability and is
100% autarkic in water and
energy use.**

