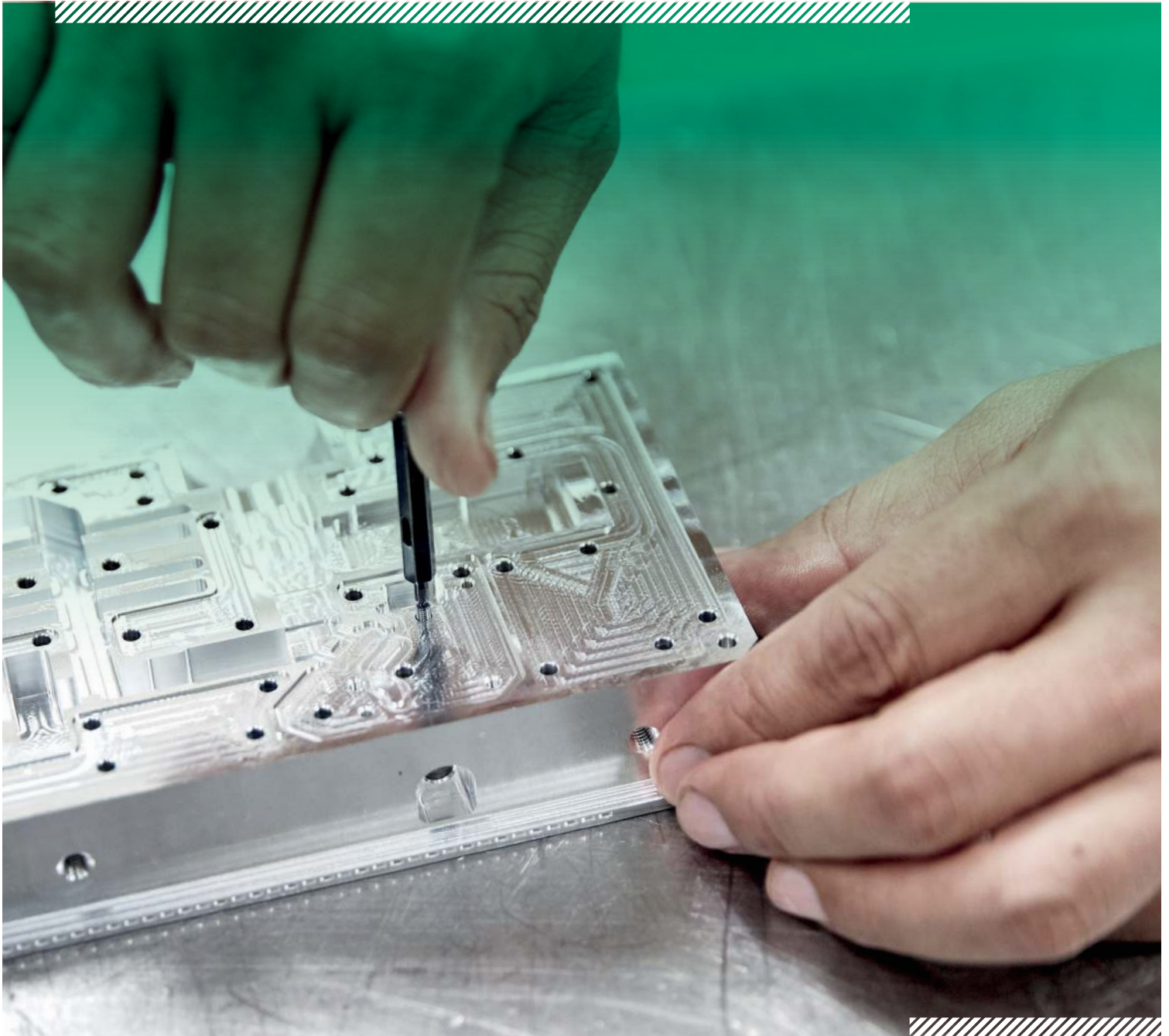


# We can optimise your processes!

Design & Engineering  
Services

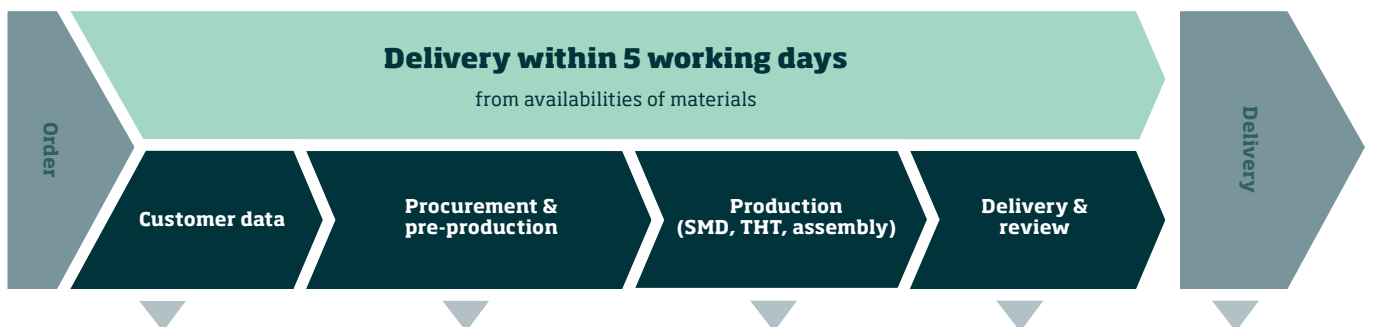
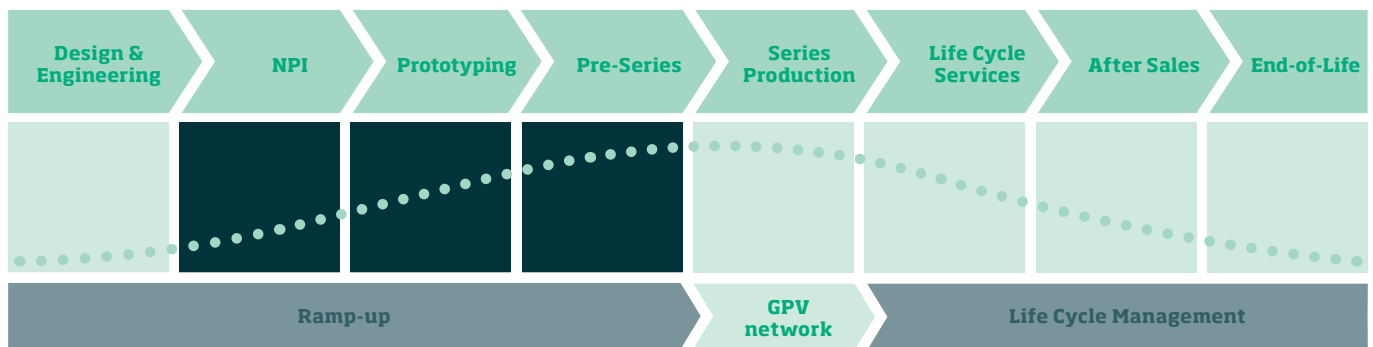


# Speed Prototyping

Typical Speed Prototyping services: redesigns and DFX (incl. obsolescence management), test development, production SMT/THT, assembly, manual tests, packaging

- > **Batch sizes from as little as one item**
- > **One-stop service**
  - > Project management
  - > Ramp-up
  - > Series in group network
  - > Complete Life Cycle Management by GPV

## GPV processes for adding value



### Component Engineering / NPI

- > BOM analysis: compare with BOM Explorer
- > Gerber check
- > PCB production data package
- > Checks back with customer if necessary
- > Data storage
- > Process FMEA

### Sourcing / Work preparation

- > Resource planning
- > Materials procurement
- > Order template
- > Create SMT and AOI programme
- > Receipt of goods
- > Offer process: BOM costing software with interfaces to component life cycle databases

### Production

- > Set-up materials
- > SMT mounting
- > Automatic optical inspection
- > THT mounting
- > Visual check
- > Assembly

### Manufacturing

- > Outgoing inspection
- > Express dispatch
- > First sample report / FAIR (First article inspection report)

### Documents required

- > Parts lists
- > Gerber data
- > Layout diagram
- > Pick & place data

# About GPV Group

## Facts & figures

4,000 employees, revenue: EUR 370 million (2019 guidance), around 70,000 m<sup>2</sup> production area, 29 SMT-lines and 12 sites.

## Locations

- > **Asia**
  - > China
  - > Sri Lanka
  - > Thailand
- > **Europe**
  - > Germany
  - > Denmark
  - > Switzerland
  - > Slovakia
  - > Austria
- > **Americas**
  - > Mexico

## Services

Vertically integrated system manufacturer with the following core competencies:

- > **Design & Engineering**
- > **EMS**
- > **Cable assemblies**
- > **Mechanics**
- > **Mechatronics and box-build**

## Engineering

Our 70 engineers and technicians support every step of your development process across the entire product life cycle to ensure its success. Their specialist skills enable them to provide a very diverse range of applications, such as: electronics design, embedded software, high-frequency and communications technology, design and construction of test systems, support with various approval processes and classic box-build design.

## Scaling

No matter what batch size - from one (prototype) to one million items or more - we can offer you cutting-edge production concepts. We specialise in a broad product range (high mix) and can produce any batch size at our international production sites.



# The hardware of the digital world

From ambition to real products

## A unique customer perspective

GPV is committed to ensuring that our customers accomplish more. We do this by building strong and trusting partnerships based on responsible and honest cooperation.

We acquire comprehensive insights into our customers' needs and industries, and we manage advanced and stable product processing, relying on our strong technological knowledge.

## Stable. Specialised. Global.

In everything we do, we focus on creating value for our customers, and our approach is supported by the strong spirit of our organisation. As such, we always strive for a timely delivery of faultless, secure and functional products and services that fulfil the expectations and requirements of our customers.

> [gpv-group.com](https://gpv-group.com)



## Headquarters

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DK-7100 Vejle  
Denmark

## Europe

GPV Electronics DK  
Aars, Denmark

GPV Mechanics DK  
Tarm, Denmark

GPV Electronics CH  
Mendrisio, Switzerland

GPV Electronics DE  
Hildesheim, Germany

GPV Cables AT (F)  
Frankenmarkt, Austria

GPV Cables AT (R)  
Rottenmann, Austria

GPV Electronics SK  
Hlohovec-Šulekovo, Slovakia

GPV Cables SK  
Hlohovec-Šulekovo, Slovakia

## Asia

GPV Electronics TH  
Bangkok, Thailand

GPV Mechanics TH  
Bangkok, Thailand

GPV Electronics LK  
Kochchikade, Sri Lanka

## The Americas

GPV Electronics MX  
Guadalajara, Mexico