

PERFECT SOLUTION BY  
GERMAN ENGINEERING

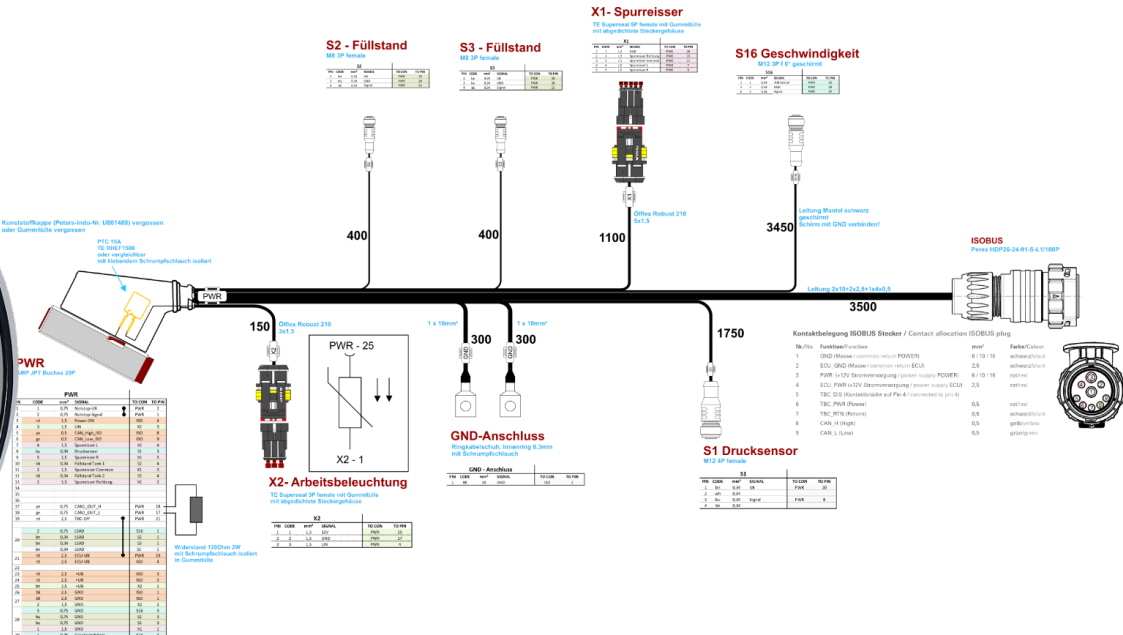


45 YEARS

1974 - 2019

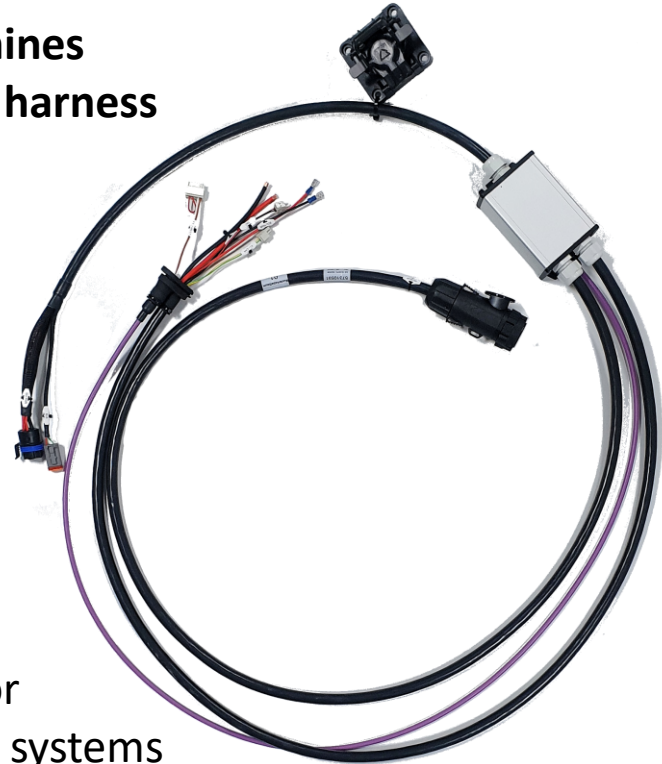
## What we do!?..... we do it with passion!

- We are a medium sized owner operated enterprise
- With more than 120 employee's we are one of the leading electronic manufacturers for ruggedized customized applications in europe
- Our customers belong to the market leaders in there scope of operations
- From the first sketch to the series product we realize your ideas!
- Qualified staff, continously trained, is essential to fulfill your demands
- Due to short decission pathes, a quick and customer oriented, implementation of the ideas is given!
- State of the art production equipment gives us the flexibility that we need and the flexibility you expect from us!

[illegible]

**Ruggedized connecting solutions for mobile machines  
.....from the single connector to the complete harness**

**CCIsobus** harness for agricultural machines

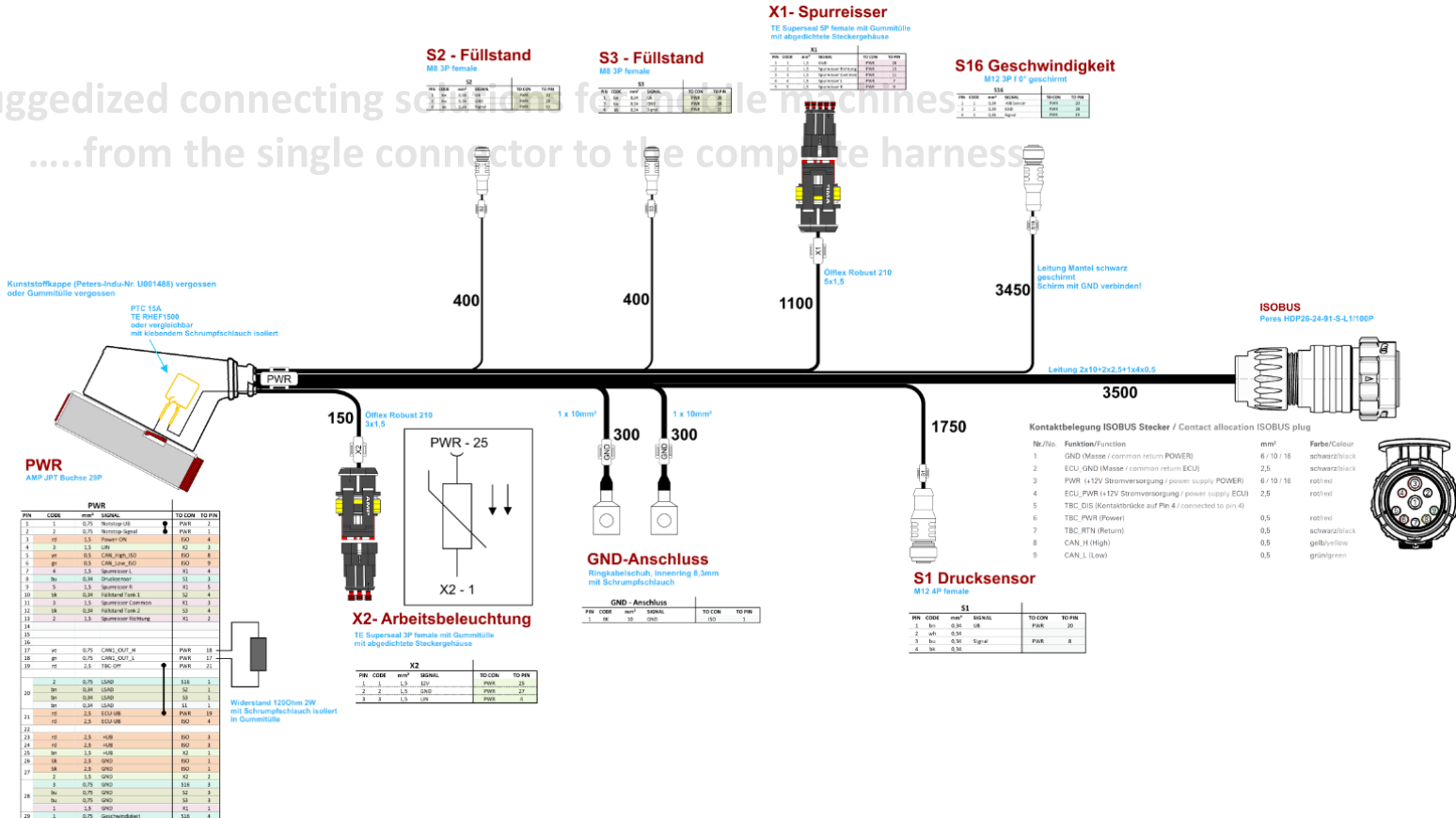




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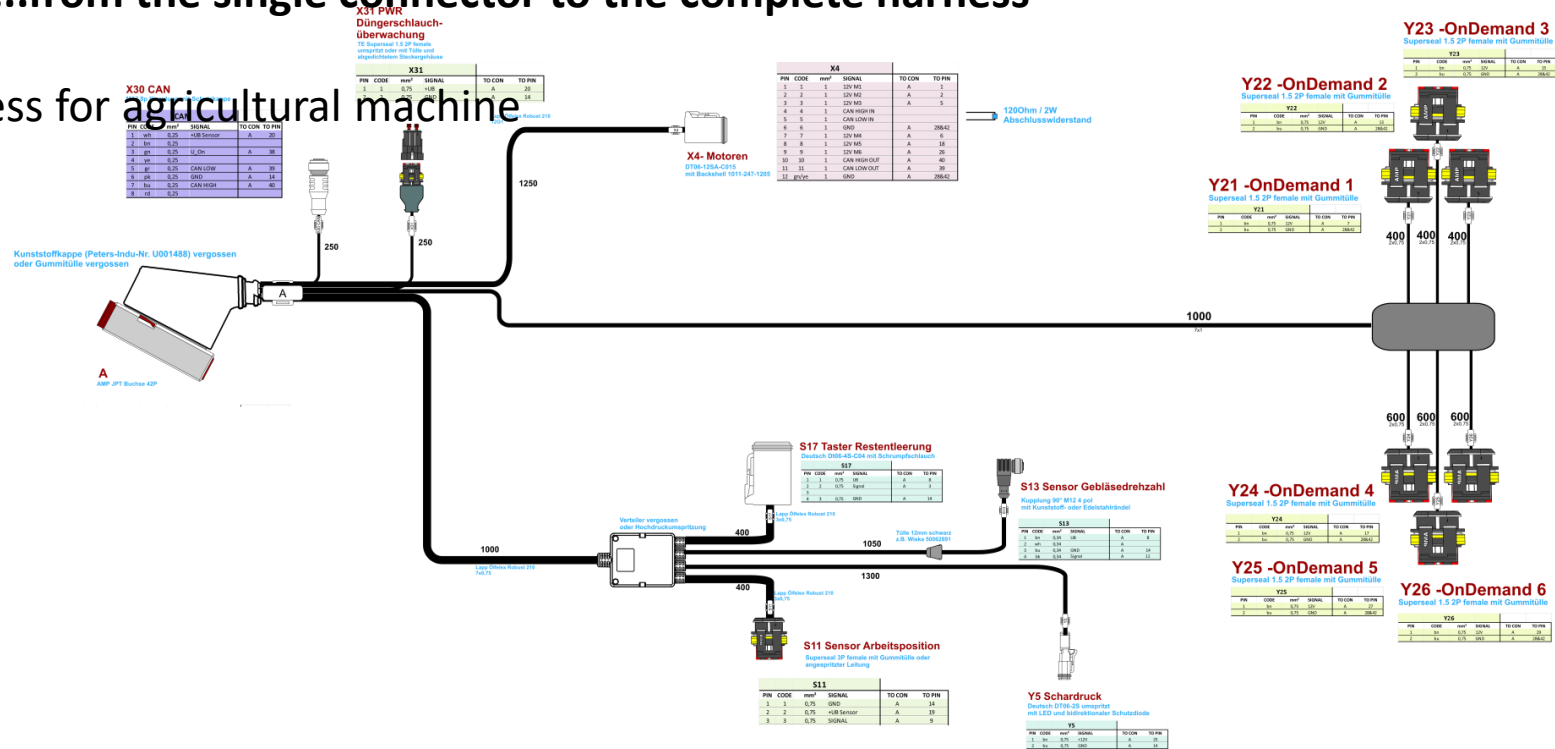


Ruggedized connecting solutions for mobile machines  
.....from the single connector to the complete harness



# Ruggedized connecting solutions for mobile machines .....from the single connector to the complete harness

# harness for agricultural machine



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Ruggedized connecting solutions for mobile machines  
from the connector to the harness

## X30 CAN

M12 Ip Küplung mit Schutzkappe

| Pin | Code | Signal | TO CON    | TO PIN |
|-----|------|--------|-----------|--------|
| 1   | 1    | 0.25   | NR Sensor | A 20   |
| 2   | 2    | 0.25   | NR Sensor | A 38   |
| 3   | 3    | 0.25   | NR Sensor | A 39   |
| 4   | 4    | 0.25   | NR Sensor | A 40   |
| 5   | 5    | 0.25   | CAN LOW   | A 39   |
| 6   | 6    | 0.25   | NR Sensor | A 38   |
| 7   | 7    | 0.25   | CAN HIGH  | A 40   |
| 8   | 8    | 0.25   | NR Sensor | A 39   |

## X31 PWR Düngerschlauch- überwachung

TE System 1.5 2P female  
versorgt oder mit Tülle und  
eingedrahtem Steckerhülse

| Pin | Code | Signal | TO CON    | TO PIN |
|-----|------|--------|-----------|--------|
| 1   | 1    | 0.75   | NR Sensor | A 20   |
| 2   | 2    | 0.75   | NR Sensor | A 38   |

Leop. Offshore Robot 218  
1250

## X4- Motoren

DT10-125A-C919  
mit Buchse 1011-247-1285

| Pin | Code | Signal       | TO CON | TO PIN |
|-----|------|--------------|--------|--------|
| 1   | 1    | 12V M1       | A 1    |        |
| 2   | 2    | 12V M2       | A 2    |        |
| 3   | 3    | 12V M3       | A 3    |        |
| 4   | 4    | CAN HIGH IN  | A 39   |        |
| 5   | 5    | CAN LOW IN   | A 38   |        |
| 6   | 6    | NR Sensor    | A 38   |        |
| 7   | 7    | 12V M4       | A 6    |        |
| 8   | 8    | 12V M5       | A 18   |        |
| 9   | 9    | 12V M6       | A 26   |        |
| 10  | 10   | CAN HIGH OUT | A 40   |        |
| 11  | 11   | CAN LOW OUT  | A 39   |        |
| 12  | 12   | NR Sensor    | A 38   |        |

120 Ohm / 2W  
Abschlusswiderstand

## Y22 -OnDemand 2

Superséal 1.5 2P female mit Gummütülle

| Pin | Code | Signal | TO CON    | TO PIN |
|-----|------|--------|-----------|--------|
| 1   | 1    | 0.75   | NR Sensor | A 20   |
| 2   | 2    | 0.75   | NR Sensor | A 38   |

## Y21 -OnDemand 1

Superséal 1.5 2P female mit Gummütülle

| Pin | Code | Signal | TO CON    | TO PIN |
|-----|------|--------|-----------|--------|
| 1   | 1    | 0.75   | NR Sensor | A 20   |
| 2   | 2    | 0.75   | NR Sensor | A 38   |

## Y23 -OnDemand 3

Superséal 1.5 2P female mit Gummütülle

| Pin | Code | Signal | TO CON    | TO PIN |
|-----|------|--------|-----------|--------|
| 1   | 1    | 0.75   | NR Sensor | A 20   |
| 2   | 2    | 0.75   | NR Sensor | A 38   |

## Y24 -OnDemand 4

Superséal 1.5 2P female mit Gummütülle

| Pin | Code | Signal | TO CON    | TO PIN |
|-----|------|--------|-----------|--------|
| 1   | 1    | 0.75   | NR Sensor | A 20   |
| 2   | 2    | 0.75   | NR Sensor | A 38   |

## Y25 -OnDemand 5

Superséal 1.5 2P female mit Gummütülle

| Pin | Code | Signal | TO CON    | TO PIN |
|-----|------|--------|-----------|--------|
| 1   | 1    | 0.75   | NR Sensor | A 20   |
| 2   | 2    | 0.75   | NR Sensor | A 38   |

## Y26 -OnDemand 6

Superséal 1.5 2P female mit Gummütülle

| Pin | Code | Signal | TO CON    | TO PIN |
|-----|------|--------|-----------|--------|
| 1   | 1    | 0.75   | NR Sensor | A 20   |
| 2   | 2    | 0.75   | NR Sensor | A 38   |

Kunststoffkappe (Peters-Indu-Nr. U001488) vergossen  
oder Gummütülle vergossen

A  
ASP 3P1 Buchse 42P

## S17 Taster Restentleerung

Deutsch 0101-41-001 mit Schweißhülse

| Pin | Code | Signal | TO CON    | TO PIN |
|-----|------|--------|-----------|--------|
| 1   | 1    | 0.75   | NR Sensor | A 20   |
| 2   | 2    | 0.75   | NR Sensor | A 38   |

## S13 Sensor Gebläsedrehzahl

Küplung 90° M12 4 pol  
mit Kunststoff- oder Edelstahlhülse

| Pin | Code | Signal | TO CON    | TO PIN |
|-----|------|--------|-----------|--------|
| 1   | 1    | 0.75   | NR Sensor | A 20   |
| 2   | 2    | 0.75   | NR Sensor | A 38   |

## S11 Sensor Arbeitsposition

Superséal 3P female mit Gummütülle oder  
eingedrahter Leitung

| Pin | Code | Signal | TO CON    | TO PIN |
|-----|------|--------|-----------|--------|
| 1   | 1    | 0.75   | NR Sensor | A 20   |
| 2   | 2    | 0.75   | NR Sensor | A 38   |
| 3   | 3    | 0.75   | NR Sensor | A 39   |

## Y5 Schardruck

Deutsch 0110-01 versiegelt  
mit LED und Indirektionaler Schutzdiode

| Pin | Code | Signal | TO CON    | TO PIN |
|-----|------|--------|-----------|--------|
| 1   | 1    | 0.75   | NR Sensor | A 20   |
| 2   | 2    | 0.75   | NR Sensor | A 38   |

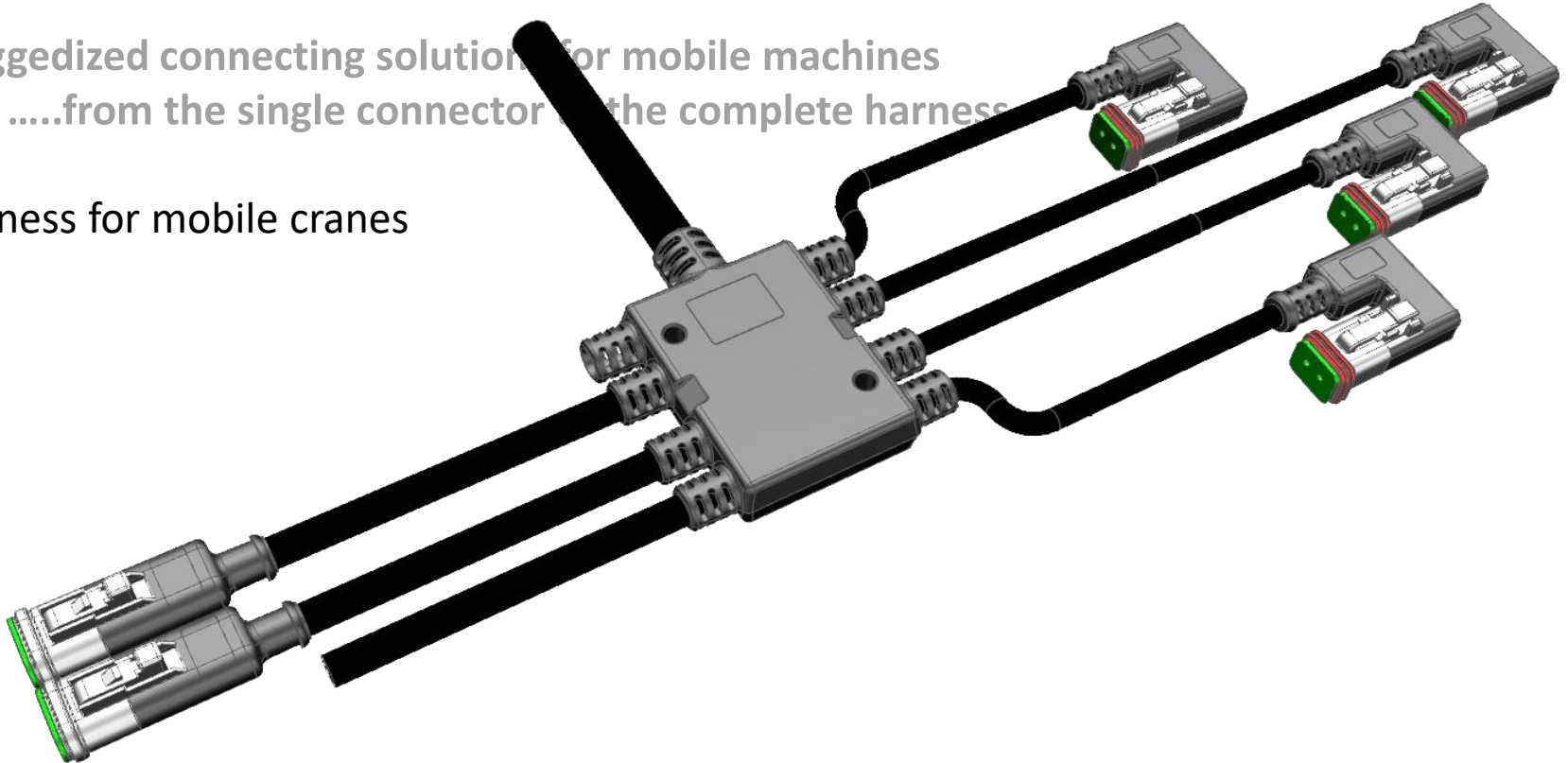


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Ruggedized connecting solution for mobile machines  
.....from the single connector to the complete harness

harness for mobile cranes

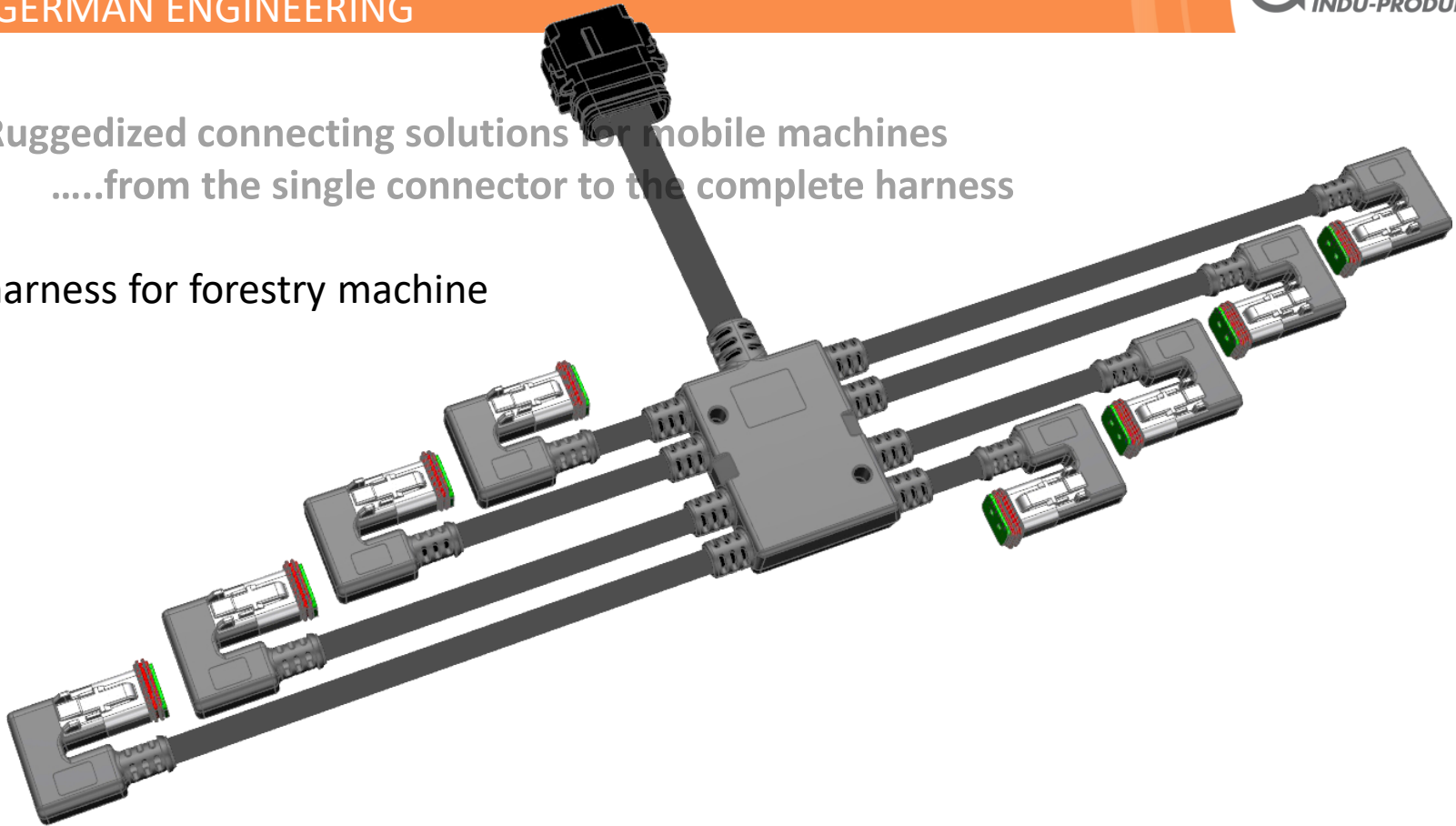


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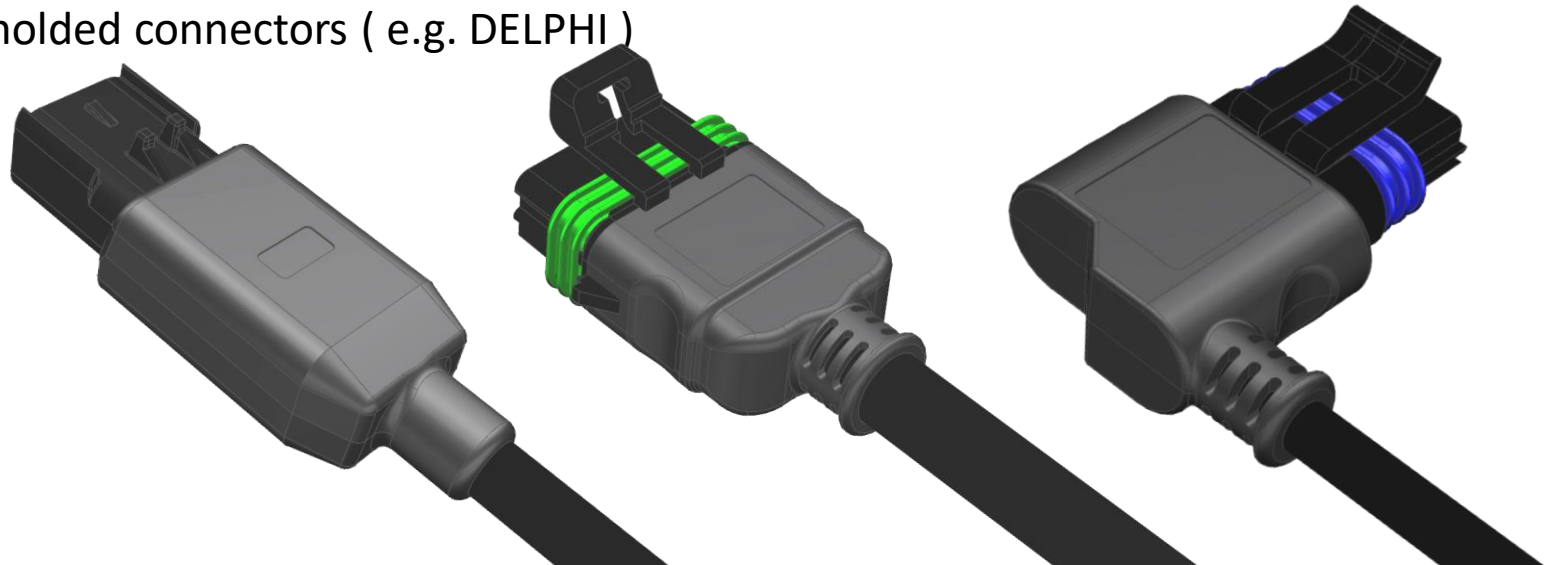
Ruggedized connecting solutions for mobile machines  
.....from the single connector to the complete harness

harness for forestry machine



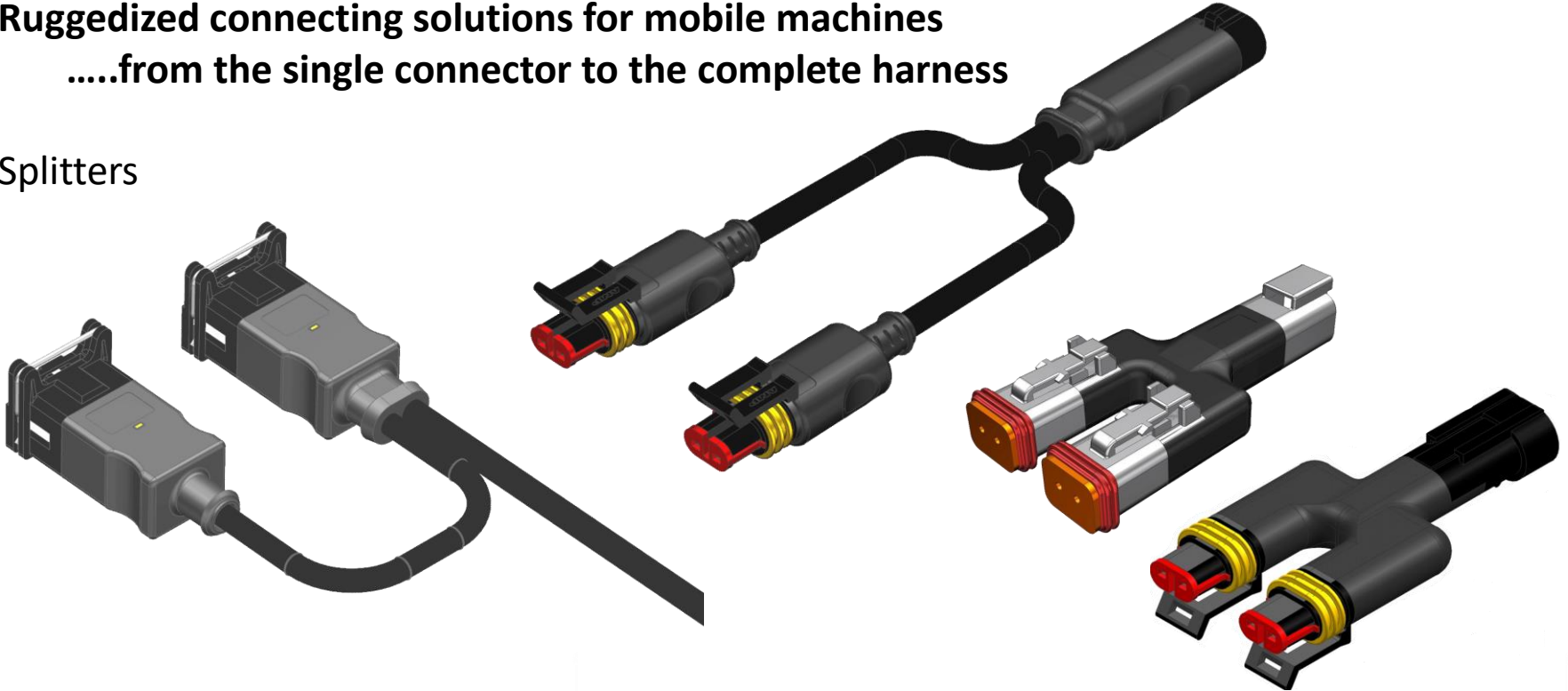
**Ruggedized connecting solutions for mobile machines  
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overmolded connectors ( e.g. DELPHI )



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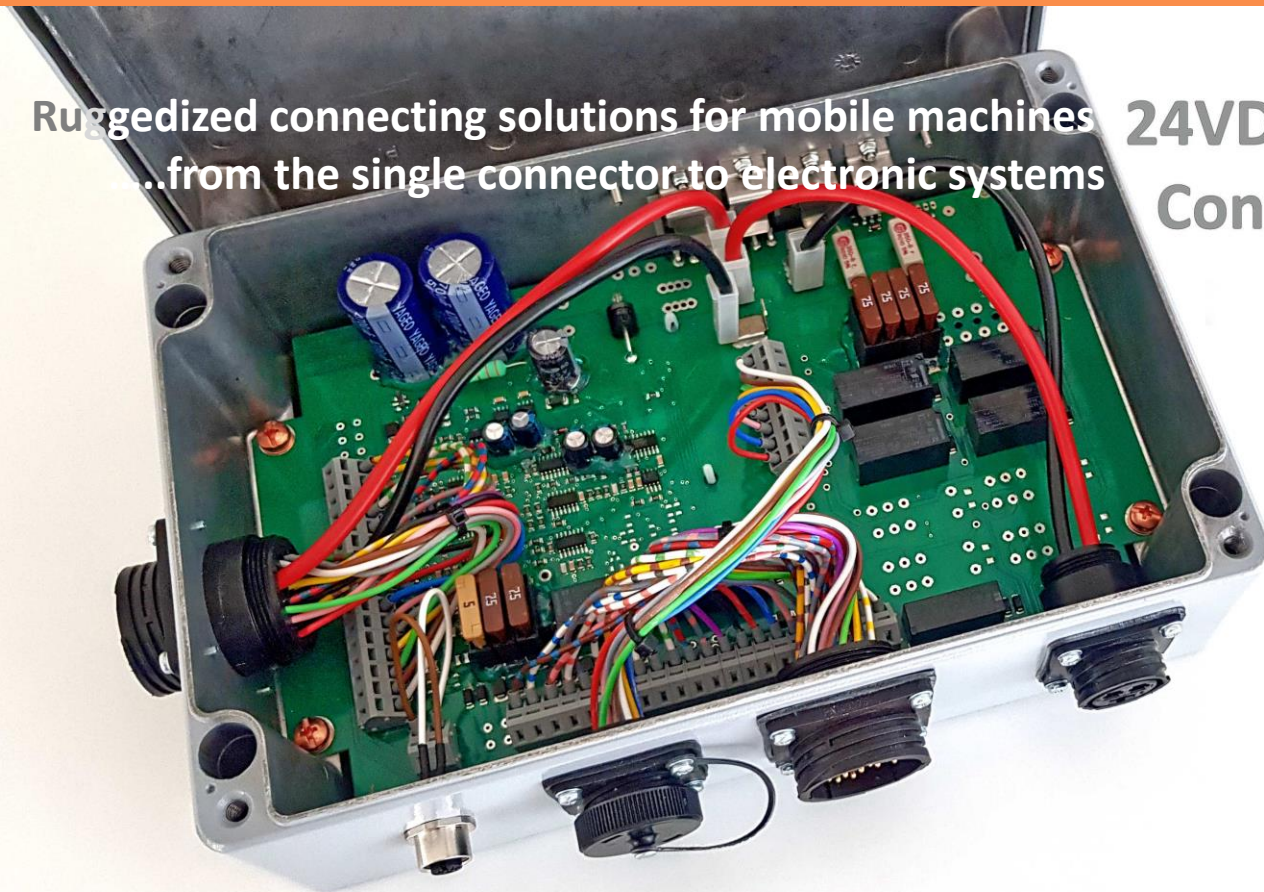
Splitters



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Ruggedized connecting solutions for mobile machines 24VDC / 40A  
...from the single connector to electronic systems Control Unit



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customers:



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