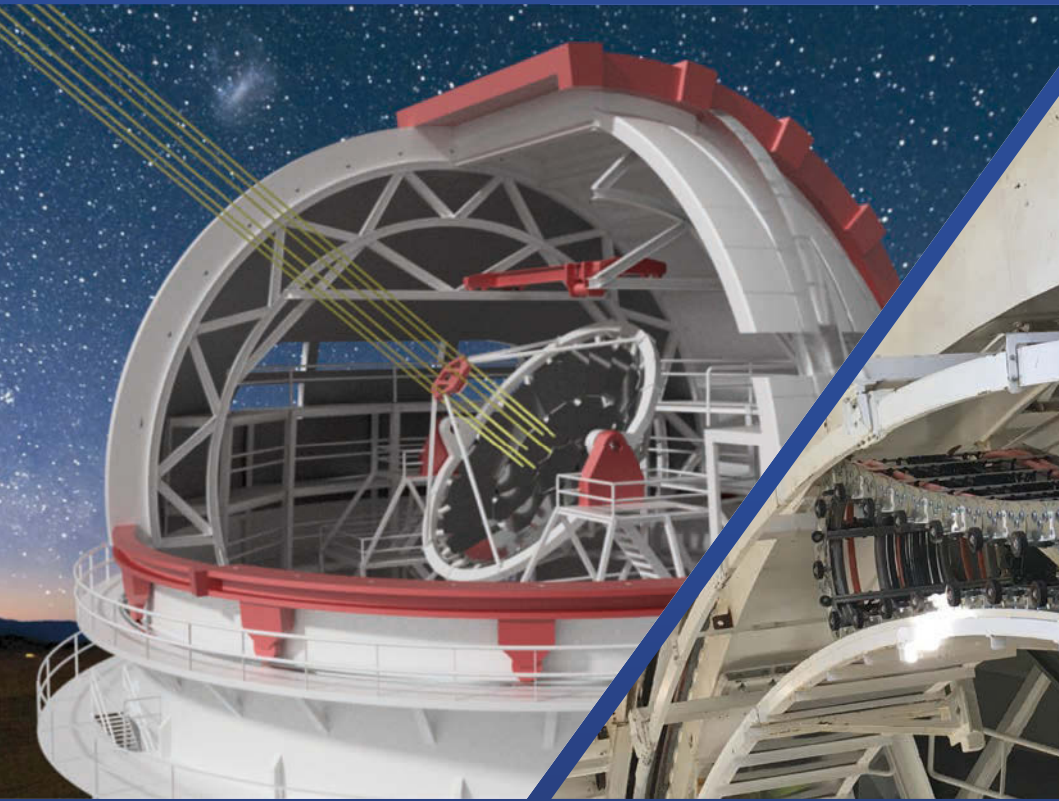


# KABELSCHLEPP



**Heavy duty cable carrier systems for telescopes**

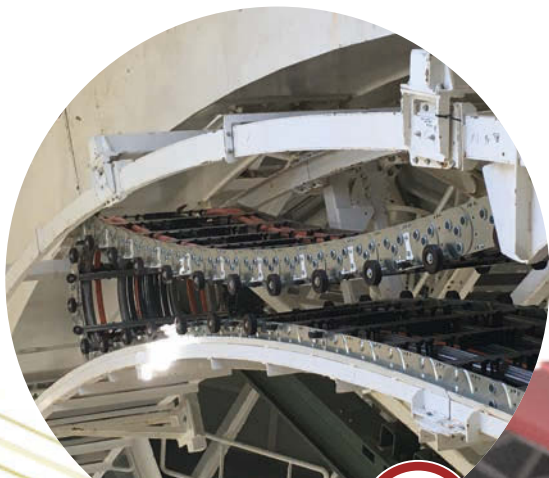
# KABELSCHLEPP

TSUBAKI KABELSCHLEPP

Costs down – service life up

## Cable carrier systems for telescopes

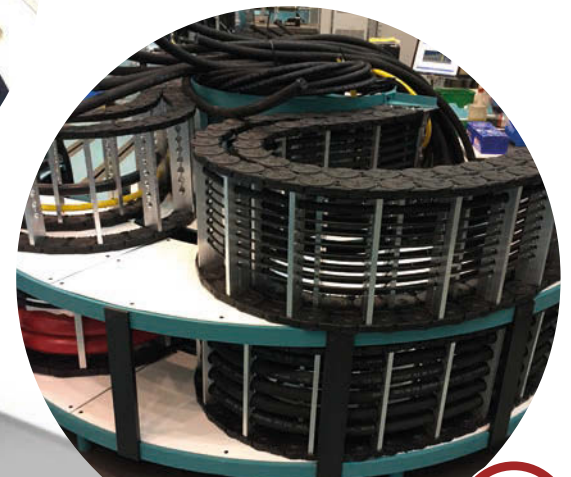
TSUBAKI KABELSCHLEPP develops customized solutions for cable carrier systems in telescopes. Our decades of experience from hundreds of realized projects in various industries with diverse demands on our cable carrier systems, lead to new custom and application-specific solutions for our customers. Our specialists will support you from the planning and design stage through to the onsite installation and start-up of the tested complete system.



Shutter systems



Dome structure



Telescope instrumentation



Telescope adaption



Azimuth systems



Elevation systems



## Your partner for projects



Several steel and plastic cable carrier systems for the dome structure of the DKIST solar telescope.

„It was a pleasure to work with TSUBAKI KABELSCHLEPP on this challenging project. The KABELSCHLEPP® engineers designed a complete standalone system and ensured that the systems will function reliably in the telescope.“ – *Gaizka Murga Llano, IDOM-Spain*

### DKIST-Solar Telescope, Maui, Hawaii



Plastic cable carrier system for hose and cable supply for a new optical camera system.

„The entire planning and integration was characterised by competent and proactive work. We are very pleased with this solution“ – *Johannes Winkler, TLS Tautenburg, Germany*

### Alfred-Jensch Telescope, Thüringen, Germany



Heavy duty steel cable carrier installed on a ship. Ensures safe power supply with high pressure hoses. Installed on the North Sea Giant.

„The time frame was extremely tight and if I'm honest we had doubts about whether KABELSCHLEPP® could really succeed – they showed us they could – a great performance.“ – *Torgeir Haubekø, AXTech Norway*

### SHS 400t Crane, Norway



Several steel and plastic cable carrier systems for the TMA structure of the LSST telescope.

„The designers of the TMA and the KABELSCHLEPP® technicians collaborated closely during all phases of the project to ensure the correct interfaces between the different equipment. The final result was completely satisfactory and met all the requirements defined at the start of the project.“ – *Manuel Perezagua Aguado, Empresarios Agrupados-Spain*

### LSST Telescope, Chile

## TOTALTRAX® Complete Systems

### From planning to the final complete system

Use our know-how. Working jointly with you, our experienced specialists can provide pre-sale support, including planning and design services through after sales service and support.

One order, one contact person, components optimally matched to each other, including the cable and hose carrier, the electrical cables, the hydraulic and pneumatic hoses and the connectors. You receive the complete TOTALTRAX® system in one delivery.

Reduce your storage costs with TOTALTRAX®. We supply all components Just-In-Time to your production facility or directly to the installation site.



## Expert installation by our service team

Let our service team handle the planning and execution of the installation of cable and hose carrier systems. We provide the support you need.

- complete assembly including the guide channel and the substructure
- uncoiling and assembling cable and hose carrier systems for telescope applications
- accurate installation in harsh conditions at high altitude
- commissioning and acceptance



## Your global telescope expert:



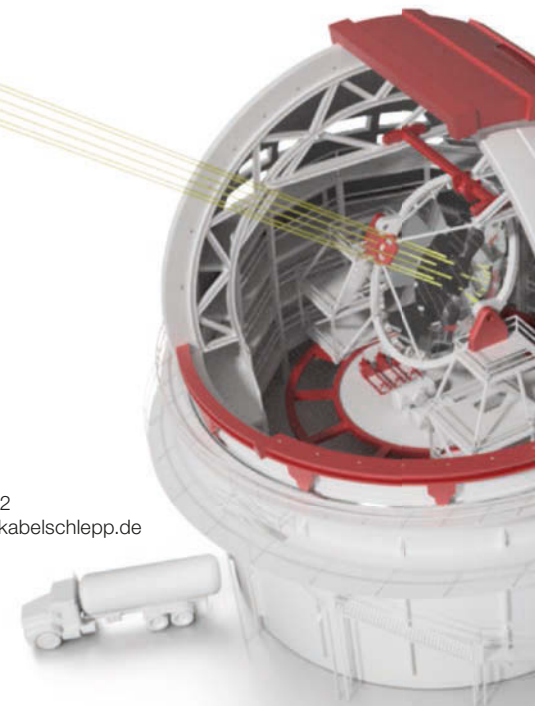
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# The TSUBAKI KABELSCHLEPP Global network – worldwide near you



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For contacts, addresses and further information, visit our web site at [tsubaki-kabelschlepp.com](http://tsubaki-kabelschlepp.com)

Your contact: