Senator E. h. Otto Rettenmaier, multi-entrepreneur and founder of the TII Group

The TII Group moves the world: Seventy percent of all transports over 3,000 tons and ninety percent of all transports over 5,000 tons are performed using vehicles by the TII Group.

With its brands SCHEUERLE, NICOLAS, KAMAG and TIIGER the group of companies has production sites in Germany, France and India as well as a production cooperation in North America (Florida). It assists and advises its customers with a globally active sales and service organization. Heavy-duty vehicles by the TII Group transport entire industrial plants, ships, submarines, oil and offshore platforms, turbine, construction machinery but also slag pots and ladles in the remotest corners of the world.

“For our customers, we bring around 400 years of experience in heavy-duty transport, accumulated by four companies, into play, thus securing their future economic success of tomorrow today.”

Senator E. h. Otto Rettenmaier, multi-entrepreneur and founder of the TII Group
As a full-range supplier, the TII Group offers a wide range of vehicles to move loads of all kinds, from the modular, self-propelled transporter (SPMT) to transport loads of 15,000 tons and more all the way to vehicles for stock handling in yard logistics.
SHT Technology – reliability on wheels
SHT transporters by SCHEUERLE have revolutionized the transportation of individual sections to completed ships in the shipbuilding industry. Extreme loads of 1,000 tons and more can be moved using only one vehicle. By combining several vehicles to one large unit, extreme loads of up to 15,000 tons and more can be transported. Precise steering and a hydraulic drive unit that allows accurate positioning and powerful lifting hydraulics make the SCHEUERLE SHT an indispensable piece of equipment for ensuring cost-effective logistical operations in the shipbuilding industry.
## SCHEUERLE SHT – TECHNICAL DATA
### PROVEN PERFORMANCE CAPABILITY

<table>
<thead>
<tr>
<th>Type</th>
<th>Payload (kg) approx.</th>
<th>Pendulum axles</th>
<th>Drive axles</th>
<th>Tractive force (kN)</th>
<th>Loading platform (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHT 120.4.2</td>
<td>124,000/123,000</td>
<td>4</td>
<td>2</td>
<td>156</td>
<td>5.0 x 10.1/6.0 x 10.1</td>
</tr>
<tr>
<td>SHT 190.6.2</td>
<td>194,000/191,000</td>
<td>6</td>
<td>2</td>
<td>220</td>
<td>5.0 x 12.3/6.0 x 12.3</td>
</tr>
<tr>
<td>SHT 250.8.3</td>
<td>261,000/257,000</td>
<td>8</td>
<td>3</td>
<td>330</td>
<td>5.0 x 14.5/6.0 x 14.5</td>
</tr>
<tr>
<td>SHT 320.10.3</td>
<td>329,000/324,000</td>
<td>10</td>
<td>3</td>
<td>330</td>
<td>5.0 x 16.7/6.0 x 16.7</td>
</tr>
<tr>
<td>SHT 390.12.4</td>
<td>398,000/393,000</td>
<td>12</td>
<td>4</td>
<td>440</td>
<td>5.0 x 18.9/6.0 x 18.9</td>
</tr>
<tr>
<td>SHT 450.14.4</td>
<td>461,000/457,000</td>
<td>14</td>
<td>4</td>
<td>440</td>
<td>5.0 x 21.1/6.0 x 21.1</td>
</tr>
<tr>
<td>SHT 520.16.5</td>
<td>528,000/522,000</td>
<td>16</td>
<td>5</td>
<td>550</td>
<td>5.0 x 23.3/6.0 x 23.3</td>
</tr>
<tr>
<td>SHT 580.18.5</td>
<td>592,000/587,000</td>
<td>18</td>
<td>5</td>
<td>550</td>
<td>5.0 x 25.5/6.0 x 25.5</td>
</tr>
<tr>
<td>SHT 1040.32.10</td>
<td>1,056,000</td>
<td>32</td>
<td>10</td>
<td>1,100</td>
<td>10.0 x 21.0</td>
</tr>
</tbody>
</table>

Payload/Pendulum axle (kg): 38,000 • Height (mm) without load: 1,540 + 700
## KAMAG SHT – TECHNICAL DATA

**PROVEN PERFORMANCE CAPABILITY**

<table>
<thead>
<tr>
<th>Type</th>
<th>Payload (kg) approx</th>
<th>Pendulum axles</th>
<th>Drive axles</th>
<th>Tractive force (kN)</th>
<th>Loading platform (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 1402 S</td>
<td>105,000</td>
<td>4</td>
<td>2</td>
<td>96</td>
<td>4 x 10</td>
</tr>
<tr>
<td>Type 1402 H</td>
<td>127,000</td>
<td>4</td>
<td>2</td>
<td>128</td>
<td>5 x 10</td>
</tr>
<tr>
<td>Type 1403 S</td>
<td>160,000</td>
<td>6</td>
<td>2</td>
<td>187</td>
<td>5 x 12</td>
</tr>
<tr>
<td>Type 1403 H</td>
<td>193,000</td>
<td>6</td>
<td>2</td>
<td>187</td>
<td>5 x 12</td>
</tr>
<tr>
<td>Type 1404 S</td>
<td>216,000</td>
<td>8</td>
<td>2</td>
<td>187</td>
<td>5 x 13,5</td>
</tr>
<tr>
<td>Type 1404 H</td>
<td>258,000</td>
<td>8</td>
<td>3</td>
<td>280</td>
<td>5 x 13,5</td>
</tr>
<tr>
<td>Type 1405 S</td>
<td>270,000</td>
<td>10</td>
<td>3</td>
<td>280</td>
<td>6 x 16</td>
</tr>
<tr>
<td>Type 1405 H</td>
<td>322,000</td>
<td>10</td>
<td>3</td>
<td>280</td>
<td>6 x 16</td>
</tr>
<tr>
<td>Type 1406 S</td>
<td>324,000</td>
<td>12</td>
<td>3</td>
<td>280</td>
<td>6 x 18</td>
</tr>
<tr>
<td>Type 1406 H</td>
<td>389,000</td>
<td>12</td>
<td>4</td>
<td>375</td>
<td>6 x 18</td>
</tr>
<tr>
<td>Type 1407 S</td>
<td>380,000</td>
<td>14</td>
<td>4</td>
<td>375</td>
<td>6 x 19</td>
</tr>
<tr>
<td>Type 1407 H</td>
<td>457,000</td>
<td>14</td>
<td>5</td>
<td>470</td>
<td>6 x 20,3</td>
</tr>
<tr>
<td>Type 1408 S</td>
<td>434,000</td>
<td>16</td>
<td>5</td>
<td>470</td>
<td>6 x 21</td>
</tr>
<tr>
<td>Type 1408 H</td>
<td>522,000</td>
<td>16</td>
<td>5</td>
<td>470</td>
<td>6 x 22,3</td>
</tr>
<tr>
<td>Type 1409 S</td>
<td>488,000</td>
<td>18</td>
<td>5</td>
<td>470</td>
<td>6 x 23</td>
</tr>
<tr>
<td>Type 1409 H</td>
<td>586,000</td>
<td>18</td>
<td>6</td>
<td>577</td>
<td>6 x 24,4</td>
</tr>
</tbody>
</table>

Lowered Platform height (mm) unloaden + Lift: 1,600 + 700
RELIABILITY
NO COMPROMISE REGARDING SAFETY ISSUES

Convincing and impressive technology by SCHEUERLE:

- Joystick control
- Diagnose with data storage
- Traction control on the drive unit
- Simple x/y programming
- Can-Bus technology
- GPS monitoring system
- Remote control operations

On-board computer with touchscreen monitor
Multi-functional control system
Display showing weight and load centre
Ergonomic driver’s cabin
PENDULUM AXLES
TECHNOLOGY TO MOVE YOU

165 degrees in all directions

- Straight/circular drive
- Transversal drive
- Diagonal drive
- Circular drive around a given steering point
- Carousel drive

Combination examples with given steering points

- T-combination
  - \( SP = \) Steering point
- V-combination
- Parallel combination

Axle compensation

The pendulum axle technology from SCHEUERLE sets benchmarks in this category. On uneven surfaces, the functional axle compensation automatically provides uniform distribution of load to all the wheels.

ADVANTAGES

- Reliable and proven technology
- Mechanical coupling or open compound possible
- Various safety and comfort options available
- \( > 1,000 \) tons with one vehicle

COMPOUNDS

- SHT in a 2-vehicle group formation
- SHT in a 4-vehicle group formation
SPMT
SELF-PROPELLED MODULAR TRANSPORTERS

SPMT Technology – extremely robust, extremely strong
The SPMT (Self Propelled Modular Transporter with container-sized dimensions) was introduced into the heavy-load transporter sector and changed more than just the way how loads are transported. The production concepts for the modular construction of industrial installations, conveyor systems or infrastructure projects could be transformed through the future-oriented approach now available. Today, industrial production modules reach weights of up to 15,000 tons with the door left open for even more potential. They are handled through the use of SPMT. Customers of the TII Group benefit from the unmatched global coverage with modular vehicles. Due to the fleets of vehicles available around the world, operators can rent additional axle lines (cross-hire rental) if required and hence are able to flexibly manage new projects even if more axle lines are needed than are actually available in the company’s vehicle fleet. This allows processing more profitable projects and provides customers of the TII Group with a head start over the competition in terms of flexibility and planning certainty. SPMT from the TII Group can be coupled together regardless of their age, and can be loaded onto container flat racks and thus easily transported. Continuous technical developments and innovations, such as the SPMT Widening Solutions or the SPMT F with an increased top speed, ensure quality vehicles at the highest technical level.

SCHEURLE SPMT transporting a submarine during maintenance operations

SCHEURLE SPMT transporting a marine vessel on-site
AREAS OF USE
/ On-site, global

PAYLOAD RANGE
/ 86 t - unlimited

STANDARD VEHICLES
/ 3 / 4 / 5 / 6 / 8 axle modules with 48 t / 60 t axle load
/ SPMT SL (Split Type)
/ SPMT F (Fast Runner)
/ SPMT AC (Operable down to -40°C)
/ SPMT Widening Solutions

ADVANTAGES
/ SPMT of the last 25 years can be coupled
/ Super precise electronic steering technology
/ Operable mechanically coupled or in open compounds
/ Most proven technology in the market
/ Ultra sturdy frame – highest resistance moment in the market
/ Cross hire rental – you can hire axle lines as needed everywhere around the world
/ Container flat rack loadable thus cheaply shippable
/ Leads the competition in all technical configurations
SPMT LIGHT
YOUR MOBILE ALTERNATIVE FOR FORKLIFTING

Compact allrounder –
electric- or diesel-hydraulic drive
The SCHEUERLE SPMT Light with two or four axles is a compact allrounder, guaranteeing full flexibility for smaller transportation tasks, e.g. in production halls. Payloads of up to 86 / 176 tons are possible with two or four axles. Naturally, the SPMT Light also offers the known benefits of the conventional SCHEUERLE SPMT, such as the robust design of the chassis and the electronic multi-directional steering complete with all known steering programs. Fixing points on the top-side of the platform allow the mounting of cargo control posts for the transportation of long materials.
AREAS OF USE
/ On-site, global

VEHICLE TYPES
/ 2-axle SPMT
/ 4-axle SPMT
/ Diesel engine and electric drive

ADVANTAGES
/ Available with an integrated diesel aggregate or emission-free as an electrically powered variation
/ Coupled mechanically (side-by-side) or electronically in an open combination
/ Proven serial technology from the SPMT series for steering, chassis, drive and braking system
/ Steering programs of the well-known SPMT series
/ Optionally available with hydraulic equal lifting system
Benefit from us!
Whether you would like to convert an existing fleet or solve individual transportation issues – TII Sales offers the required expertise to always provide customers of the TII Group with the ideal solution. We recognize specific requirements, discuss them with you and promptly offer the best vehicles. In doing so, we will focus on the future together. How is the market developing, how can you change your existing fleet if needed, which accessories and expansions are worth considering to grow your business – TII Sales will advise you in all of these questions and provide you with the collective know-how of all four companies.

Available to you 24/7
SCHEUERLE, NICOLAS, KAMAG and TIIGER have bundled their customer service for all brands and sites in the joint sales organization TII Sales GmbH & Co. KG. With a wide network of representatives and their own distribution centers, the TII Sales staff is available as your point of contact around the world. This guarantees comprehensive consulting on the spot, right from the start.
Engineering hand in hand
In close cooperation with developers and designers, the project engineers of the TII Group develop application-specific solutions. In close consultation with the customer, the respective requirements are first identified and analyzed with the customer. Then, we determine which modifications must be made on existing models or what a redevelopment needs to look like to meet all your needs.

With you through all project stages
Customers are continuously assisted by the sales team even when it comes to order processing. From proposal via project implementation all the way to delivery, you will be assisted by the TII Sales representative responsible for you. Members of the sales organization are traveling around the globe. They have a vast know-how of industries and an eye for individual solutions. They will be there for you whenever and wherever they are needed.

Contact Sales
Phone: +49 7941 691 271
Fax: +49 7941 691 178
E-Mail: sales@tii-sales.com
The service offered by the TII Group provides for global support during the entire service life of the vehicles. Service team members can be reached 24/7 via a free hotline. From the acceptance of new vehicles, training and instructions on the vehicle via modifications and overhauls all the way to repairs and the supply of spare parts, the TII Group offers all types of services to ensure the efficient operation of the vehicles for their customers worldwide. This range of services is complemented by accompanying support services. In particular, this includes financing support, procurement of used vehicles to other interested parties, consulting on planned transports as well as tailor-made service packages. Building on the specific product data, the documentation and operating instructions, training measures are performed on the product to address the customer’s needs. An essential element of the service range also includes modifications and overhauls. With targeted measures, customers can ensure an even longer-term use of the vehicles acquired. Immediate support is ensured by the global cooperation with service partners and our own technicians. A well-assorted stock of spare parts facilitates prompt maintenance. The TII Group offers security of supply for spare parts and small accessories for the entire product range and the regular life cycle of a product, thus guaranteeing operational reliability for the user.

Contact Service

Phone: +49 7941 691 111
E-Mail: service@tii-sales.com
TII as an employer
The TII Group offers its employees opportunities that would not normally be available in major corporations. The international character of the business with heavy-duty vehicles – over 70% are exported worldwide – brings a cosmopolitan flair to the daily working life. At the TII Group, new employees notice from the very beginning that they are moving something on a global scale, both literally and figuratively. Joining the company is possible at all stages of life – the TII Group offers opportunities for trainees, students, young and experienced professionals.

Vocational Training
At the company’s in-house vocational training center, the TII Group provides apprenticeships in all professions typical for the industry. In the process, future construction mechanics, mechatronics engineers, product designers, industrial clerks and office clerks are not only provided with solid basic knowledge but also specialist knowledge. Due to insights gained in related departments such as design or project planning, apprentices at the TII Group get a glimpse of the bigger picture early on.

Cooperative studies, internships or final paper
Be it engineering, business management or computer science: The TII Group offers dual courses of study in cooperation with renowned colleges (DHBW). Furthermore, students often like taking the opportunity to gain their first professional experience through internships at the TII Group.

Starting out with and without professional experience
The TII Group offers attractive career options for qualified skilled workers, young professionals and professionals with years of experience. Be it as a skilled worker in production, as an engineer in design or as a manager in sales – dedication and performance are rewarded at the TII Group. Our global presence offers an interesting working environment, not only for members of the sales and service staff traveling around the globe. Flat hierarchies and open structures guarantee responsible, independent actions.

Contact Career
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