



Innovative Power Transmission



RENK ILS
Integrated Logistics Support

The six elements of RENK's ILS

Analysis

Logistics Support Analysis examines and evaluates the central aspects of the life cycle and life-cycle costs of our special products on the basis of parameters such as operating profile (duration of operation, maintenance phases), depth of maintenance (employee skills), range of parts on board or at the depot.

The methods applied by RENK for the analysis of the products are:

- Failure mode and effects analysis (FMEA)
- Reliability block diagram (RBD)
- Life cycle cost (LCC)
- Level of repair analysis (LORA)
- Maintenance task analysis (MTA)

Spare parts

Thanks to our global service network we are in a position to provide any required spare parts swiftly. Our obsolescence management ensures that suitable RENK spare parts are available as long as our customers need them. Our comprehensive and detailed documentation and user-friendly digital catalogs make it easy for our customers to find and select the parts they require. Ordering is fast: via Phone, Mail or worldwide with our online-catalogue.

Tools

While our products are produced with high-end tools, maintenance tools should be simple. We abide by this philosophy, so most maintenance tasks can be carried out with standard-tools. Only if absolutely necessary, special tools and test equipment are needed.



Training courses

Training courses are organized both at our training center and on the customer's premises. At these courses, customer employees are taught hands-on and in depth by experienced trainers the skills needed for carrying out repairs and overhauls. RENK also uses state of the art training techniques and E-learning to teach trainees how to use instruction manuals and other documentation most effectively. The success of the training process will be tested, documented and certified.

Documentation

As confirmed by customer feedback, our documentation ranks among the acknowledged strong points of RENK ILS, both in terms of the scope of information and the style of presentation. We provide customers with high-quality illustrated and worded operating and repair guides, which are created according to the machine directive. Our tailor-made documents empowers our customers to carry out repair or overhaul work independently within a short period of time.

Service

Our services form a core element of RENK ILS. In their practical implementation they are consequences drawn from the results of our analysis and contain direct customer support in such typical ILS functions as maintenance, repair, and overhaul. Good examples of well thought-out, extremely efficient services are the use of tele-maintenance and RENK condition monitoring in major repair cases. And with the aid of remote technology, RENK Service can resolve technical problems quickly and satisfactorily in close liaison with the customer even over long distances. RENK can also supply tailor-made in Service support.

RENK ILS: the utmost support throughout the life of your product

What is ILS?

ILS stands for Integrated Logistics Support and embraces a whole package of service strategies ranging from general preventive care to specific maintenance and repair work. ILS is designed to support our customers in making sure their systems are working safely, dependably, and to maximum availability.

What's so special about RENK's ILS?

The special feature of ILS is its holistic focus by which such services as maintenance and repair work are integrated from the viewpoint of our customers. RENK's objective is for customer benefits to be maximized at various levels simultaneously. To ensure this, RENK will identify the entire scope of logistic services early on, where possible right from product inception and then throughout the product life-cycle.

How can customers benefit from ILS?

Once ILS has been established, customers can, especially in the long-term, benefit from the positive effects of ILS. For example, enhanced reliability and product availability mean much reduced reliance on servicing. And customers can carry out even major repairs quickly and straightforward for themselves. For the purpose of portraying as clearly and transparently as possible our range of services we have subdivided our logistics support into six segments which cover the central aspects and services of ILS.

- Logistics Support Analysis
- Services
- Spare parts
- Tools
- Training
- Documentation



RENK analysis - Life-cycle-cost

RENK ILS: customer goals are our goals

Minimum costs, maximum performance

Anyone wanting maximum quality, dependability, and value for money when it comes to after-sales service should ideally consider the available options before making a purchase decision. To arrive at the best-possible solution, taking advantage of RENK's comprehensive expertise and decades of experience in the development, design, operating and maintenance support of marine gear units is an ideal starting point. Thanks to this comprehensive expertise we are in a position to assess the life-cycles of RENK propulsion systems with a high degree of accuracy and incorporate this information in our analyses. High system dependability, high quality and low cost – our customers benefit in every respect from our life-cycle management.

The four levels of maintenance

To make matters clearer we have organized our maintenance service into four levels (Levels one and two are always part of the overall package acquired by our customers). If necessary and beneficial, further levels can be included.

- Level 1: Preventive maintenance / on-board personnel.
- Level 2: Corrective maintenance / on-board personnel.
- Level 3: Complex maintenance / Base maintainer
- Level 4: Complex corrective maintenance / Industrial

Repair and maintenance: technology for improved teamwork

Ships which are hundreds of sea miles away from the nearest port depend on service measures and levels that are fundamentally different from those needed by landbound vehicles and infrastructure systems – especially so in emergencies or exceptional situations. A ship's crew must be able to handle repair or servicing work largely on their own. This is where, besides detailed and user-friendly documentation, state-of-the art technology is helpful, also for monitoring purposes. To monitor the system status the RENK VIB-Monitor is available, which permanently analyses the system status and reports irregularities before they actually become a problem. We offer a tele-maintenance package that enables camera systems to be connected online with RENK service and magnetically positioned for optimum image capture.



Successful learning – our trainings center



RENK Aktiengesellschaft

Augsburg Plant

Gögginger Str. 73

86159 Augsburg, Germany

Phone: +49 821 5700-0

Fax: +49 821 5700-460

Email: info.augsburg@renk.biz

www.renk.eu

A company of the MAN Group