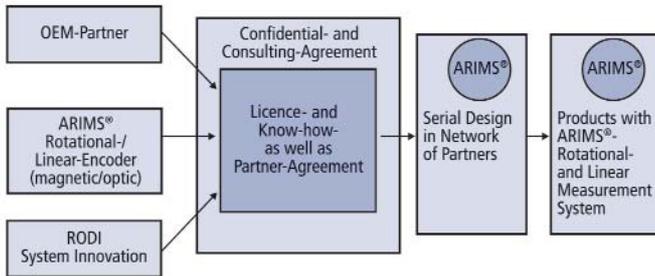


Absolute Measuring Systems designed in Germany



The German engineering enterprise **RODI – SYSTEM INNOVATION** Anton Rodi developed the **ARIMS®** absolute angle and linear measurement system. The system offers companies the chance to enhance their product development through a network of competent partners.

► **ARIMS® - STRATEGIC PRODUCTDEVELOPMENT FOR ROTATIONAL- AND LINEAR-ENCODER**



Reliable, effective, and easily comprehensible: **RODI – SYSTEM INNOVATION's ARIMS®** product development strategy for the rotational and linear encoder

Having completed his studies of precision engineering in 1966, Mr. Anton Rodi gained extensive experience as a responsible project leader for electronics of anti-lock braking systems with the aerospace enterprise Teldix, later acquired by BOSCH AG. In 1974, he joined the printing press company Heidelberger Druckmaschinen, where he built-up the department for electrical engineering and construction of about 600 engineers and he was responsible for system development of printing machines and for the advanced New Digital Printing Technology, before he eventually decided to set up his own business by the name of **RODI – SYSTEM**

INNOVATION Anton Rodi in the German town of Leimen in 1998. *“Right from the beginning, we have focused on developing integral innovations in the field of angular and linear measurement systems”, says our interview partner and Managing Director, Mr. Anton Rodi. “For this purpose, we created a network with several partner companies.”*

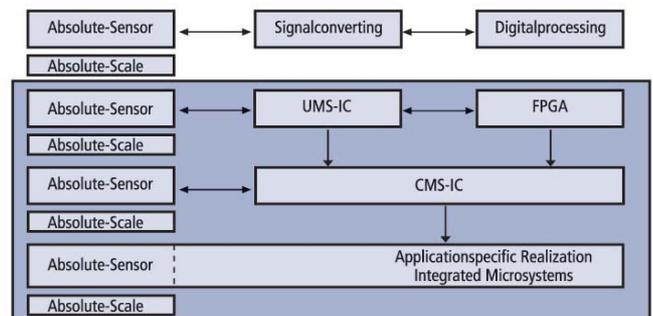
The result was the highly innovative absolute measuring system **ARIMS®**, which was first introduced at the Hanover Fair in 2004. The product provides the prerequisites for implementing small high-resolution encoders for easy integration. This of-

fers completely new and innovative system solutions for angle and linear measurements in the segment of automation technology. Signal processing on chip level allows flexible use of very small to very large mounting dimensions for continuous measurement of linear and rotational movements. *“In order to convert analog values into digital values in real-time, we have created the patented ARIMS® Interpolator with high resolution (for speeds of up to and over 10m/s without any loss of measured value less than 0,3µm)”, Mr. Rodi explains.*

All of **RODI – SYSTEM INNOVATION's** measure-

ment systems are the size of a microchip, which makes them not only easy-to-install, but also cost-effective. *“Within just two to three months, we are able to fully integrate proprietary digital functions together with the ARIMS®-Interpolator in Mixed Signal Technology onto a microchip for an investment of just 20,000 Euros instead of the usual 250,000 Euros”,* says our interview partner. Taking over the entire process from design through to the feasibility studies to prototype production, the company always focuses on three maxims. *“We only do what others can't do and we always endeavour to do our best right from the beginning”,* reveals Mr. Rodi. *“Additionally, we are constantly looking for strategic partners in order to expand our network.”*

► **ARIMS® - CONTINUOUS SYSTEM-DESIGN**



From prototyping through to feasibility studies to the production of medium and large series: the company's **ARIMS®** continuous system design method

“Besides sensor companies potential clients are OEM manufacturers of system components for robots, direct current motors, or producers of automation devices”, says the Managing Director. Currently, the company and its collaborators are engaged in ensuring the sensors’ full integration. Furthermore, RODI –

SYSTEM INNOVATION attaches certain significance to new ARIMS® developments, new ARIMS® licenses, and new finished ARIMS® products. *“In addition to this we will be continuing to establish our company as an organiser and coordinator for technology developments of OEM producers”, says Mr. Rodi. “Owing to our great*

many future plans, we are also searching for additional engineers with extensive know-how in our business.”



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