ASTECH
Angewandte Sensortechnik

History and Milestones of company ASTECH Angewandte Sensortechnik GmbH

Beginning and Prehistory at Rostock University		
1983 to 1986		Under direction of **Prof. Dr. rer. nat. habil. Dr.-Ing. E.h. Otto Fiedler** a non-contact length measuring system based on the spatial filtering principle and by use of a CCD-line was developed at Rostock University by **Dr.-Ing. Klaus-Peter Schulz**
1983 to 1989		Works on spatial filtering and Laser-Doppler technics at Rostock University due to O. Fiedler, K.-P. Schulz, H.-E. Albrecht, A. Röhl, W. Fuchs, W. Kröger, T. Gitzke, V. Ahrendt, A. Brauns, K. Christofori, B. Scholz, S. Jansen, J. Burmeister, U. Sümnicht, A. Zölder u.a.
1983		**Patent DD WP 218170** (K.-P. Schulz, O. Fiedler): „Einrichtung zur berührungslosen Messung an bewegten Körpern“
1989 to 1990		Works at Rostock University of Volker Ahrendt on the subjects: “Velocity measurement system using a CCD sensor“, “Sensor computer for close-up process acquisition“ und “Adjusted measuring data processing for velocity measuring sensor computer“
1989		**Patent DD WP 330332** (O. Fiedler; K. Christofori; V. Ahrendt): „Verfahren und Anordnung zur Anpassung des Sensorkopfes eines Ortsfilter-Anemometers an das bewegte Objekt“
Pre foundation phase		
1990	04 – 05	Dipl.-Ing. Volker Ahrendt plans to found a company and seeks for partners at Rostock University at the department of Prof. Fiedler
	06– 08	Concept for company foundation, Application for a promotion by „Technologieorientierte Unternehmensgründung (TOU-Ost)“, technical basis is the prototype of a velocity sensor using a CCD line developed by Volker Ahrendt at Rostock University
The ASTECH GbR		
1990	09	**Foundation of company ASTECH Angewandte Sensortechnik GbR** by Dipl.-Ing. Volker Ahrendt und Dipl.-Ing. Klaus Christofori **Move-In into the Technologiezentrum Warnemünde (TZW)**
	11	**Patent DE 4035039** (K. Christofori, V. Ahrendt): „Verfahren und Einrichtung zur Erfassung der Bewegung strukturierter Objekte“
1991	11	Granting of TOU subsidies by BMFT Start of product development „universal velocity measuring gauge“
The ASTECH GmbH		
1992	09	**Foundation of ASTECH Angewandte Sensortechnik GmbH** by Dipl.-Ing. Volker Ahrendt and Dr.-Ing. Klaus Christofori (both shareholder and directors)
1993	10	**Presentation** of the Velocity and Length Measurement sensor **VLM100** as innovation at the SENSOR’93 in Nuremberg
1994	05	**Presentation** of the advanced **VLM200** at the CONTROL’94
	06	Completion of product development of the VLM200
	07	Granting of the **“Friedrich-Witte-Preis” award** 1994 for industrial research for the federal state “Mecklenburg-Vorpommern” to ASTECH GmbH
	10	Start of **marketing** the **VLM200**
1995	01 – 12	The VLM200 was introduced in over 40 famous national and international professional journals
	04	Presentation of the VLM200 at the exhibition „Interkama“ in Düsseldorf

1996	09	Granting of the **"Technologiepreis des Landes Mecklenburg-Vorpommern" award** (level three) to ASTECH GmbH
	01– 12	Application of ASTECH products in famous companies like Krupp Stahl AG, Preussag Stahl AG, BAYER AG, Siemens AG usw. ASTECH products were presented at exhibitions all over the world
1997	04 / 05	ASTECH successfully exhibits at "Hannover Messe" and "Sensor+Test" in Nuremberg
1998	07	Start of internet presence **www.astech.de**
	11	ASTECH exhibits at the fair „Stahl" (Eisenhüttentag) in Düsseldorf
2000	10	Symposium on the occasion of the **10th anniversary** of ASTECH company with lectures of SMS Demag, ALSTOM, Sundwig, Thyssen Krupp Stahl, IMS, DANIELI Fröhling, Thyssen Umformtechnik, Benteler Stahl/Rohr, VAW Aluminium, Alcan, Krupp Edelstahlprofile and Salzgitter
	ab 09	Development of the new business area **Laser Distance Sensors**
	11	**Rollout** of the Laser distance sensor **LDM300C**
2001	08	**Rollout** of the Laser distance sensor **LDM30A**
2002	04	New Design for the internet presence www.astech.de
2003	08	Sales agency for China
2004	ab 01	Dr.-Ing. Klaus Christofori completely retires from ASTECH
	ab 09	Reorganization of ASTECH GmbH
2005	01	**Removal into "Gewerbezentrum CTG",** Schonenfahrerstr. 5, 18057 Rostock
2006	03	**Rollout** of the Laser distance sensor **LDM41A** and **LDM42A**
	11	**Rollout** of the **VLM250** Series **Rollout** of the Laser distance sensor **LDM41P** and **LDM42P**
2007	06	**Rollout** of the Laser distance sensor **LDM301** New sales partner for the USA and China
2008	01	Conversion of the VLM250 Series for LED illumination
	09	Sales agency for Turkey
2009	ab 07	Establishing the new business area **color sensors** Starting the **development** of the **CROMLAVIEW®** color sensor series for industrial automation
	11	**Presentation** of the **CROMLAVIEW®** color sensor series at the SPS/IPC/DRIVES 2009 in Nuremberg
2010	01	**Rollout** of the **CROMLAVIEW®** color sensors **CR100** (compact type) und **CR200** (two measuring channels)
	03	New shareholder of ASTECH GmbH becomes Prof. Dr.-Ing. Ansgar Wego
	04	ASTECH wins a major sensor company as OEM partner for worldwide sales of the color sensors
	09	New sales agency in Italy
	11	**Rollout** of the new **VLM320** at the SPS/IPC/DRIVES 2010 in Nuremberg. By use of a 32-bit controller and a new ASIC for the signal analysis outstanding performance data were achieved. The new VLM320 offers reliability, stability and flexibility for the non-contact velocity and length measurement.
2011	01	**Rollout** of the **CROMLAVIEW®** color sensor **CR210** (standard type)
	02	Prof. Dr.-Ing. Ansgar Wego becomes additional director of ASTECH GmbH
	04	New sales agencies for Russia and the Ukraine

	05	**Petty patent DE 202009018177** (A. Wego): „Driftstabilisierter Farbsensor mit variabler Empfindlichkeit und Beleuchtungsintensität“
	11	**Rollout** of the **CROMLAVIEW®** color sensor **CR100FO** (compact type with fixed optics)
2012	04	**Rollout** of the high speed laser distance sensor **LDS30**
	07	Dipl.-Ing. Volker Ahrendt retires from directorate after 20 years of exertion Dipl.-Kfm. Jens Mirow, M.A. becomes operational director of ASTECH GmbH
	09	ASTECH celebrates its **20th anniversary** of the company
2013	04	**Rollout** of the **CROMLAVIEW®** color sensor **CR50** (low-cost compact type with button-only operation)
	08	**Patent DE 102012208248** (A. Wego): „Abstandsvariationskompensiertes Farbsensorsystem“
	09	New sales agencies for Korea, Sweden and Japan
	10	Relaunch of the internet presence www.astech.de
2014	04	**Rollout** of the laser distance sensor **LDM51A LUMOS**
	05	New sales agencies for Brasilia and Israel
	07	**Presentation** of the new velocity and length sensor **VLM500.** Due to miniaturized components, the VLM500 for the first time can be presented in a more compact housing. A further advanced digital signal processing improves the VLM and grants outstanding reliability, stability and flexibility.
2015	01	Introduction of a new ERP system for optimizing company processes
	04	**Rollout** of the new **CROMLAVIEW®** color sensor **CR500**. The CR500 is the first color sensor of the world with the **patented CROMLASTAB®** technology for integrated **compensation of measurement distance variations**.