Company

- HCS GmbH – in Frickenhausen in the heartland of Baden–Württemberg – since 1997 a competent and reliable partner for all kinds of automation applications

- Focus and key competence is on development and manufacturing of electronic control systems for hydraulic and pneumatic applications and Embedded Control

- Outstanding customer service and shortest possible implementation leads to satisfied customers with an ever growing client base

- Best possible reliability of products and highest quality are part of the success

- A powerful team of employees – specialists in their fields are the essential point

- With over 30 years of experience in digital control we are always targeted at the optimum solution
HCS GmbH
Facts and Data – Company

General History
- Founded in 1997 as engineering office
- 2 years project for high-speed tilting train
- Conversion to GmbH (Ltd) in 2000 and start with own product line
- From 2006 on modular amplifier DMA
- Begin of usage of PROFIBUS (2008)
- Realization of PROFINET Interface (2013)
- ATEX/IECEx electronic certified (2014)
- Development of IPX5/IPX9 On-Board electronic
- Re-development control electronic for tilting train project (2015)
- ODC series application on marine diesel engines and agricultural systems (2017/18)
- Redesign DAC-4 (complete modernization)
HCS GmbH

Facts and Data – Company

◆ Data
  • 22 distributors and partners in > 12 countries
  • > 80,000 electronic units in the field and more than 3,000 bus-interface applications
  • > 70 % export rate
  • Customers on all 5 continents
  • > 80 man year experience / 7 employees

◆ Philosophy and Destination
  • Customer is always key focus
  • Flexible and solution oriented acting
  • Fast execution and innovative solutions
  • Quality oriented completion
  • Cost sensitive realization of requirements
Competencies Electronic development

- Analogue and digital circuit technology
- Equipment for automation engineering
- Core competency in fluid technology
- Bus-Interfaces (PROFIBUS/NET, ETHERNET, CAN)
- Integrated development of Hard-/Software
- PCB and complete systems development
- Specialized on Embedded Control
- Additional special experience in development of electronic equipment for usage in:
  - EX-applications
  - Offshore
  - Mining
HCS GmbH

Facts and Data – History Details

✦ 2017 / 2018

• „ODC“ for agricultural application

• Series application DMA 5-fold with E/IP interface for milk packaging factory – Brake controller functionality

• Re-certification of PROFINET and PROFIBUS interfaces for DMA

• Start development customer specific LVDT sensor electronics

• Series application for power supply and EMC filter PCB for lighting application

• CANopen application DMA in oil monitoring system

• Start re-development DAC-4 series

• Qualification test of PT-boards on rolling stock for high-speed train application started

• More to come!
**2016**

- „ODC“ first serial application in marine environment
- „ODC“ CANOpen functionality implemented
- Independent power supply now available for DMA with PROFINET or PROFIBUS
- Pre-development study for LVDT sensor electronics for solenoid manufacturer
- HCSTool new features implemented:
  - help function with integrated manuals
  - zoom function for screen size
- Welcome to our new partners in Italy
2015

- Start of development of On-Board electronic „ODC“ for general applications
- Certification of PROFINET-Interfaces for DMA by PNO
- Re-development of amplifier and controller board for tilting train application (THC)
- Development and manufacturing of connection and supply boxes for usage in sanitary area
- Total redesign and update of webpage
  → www.h-c-s-gmbh.de
- More than 50,000 DMA reliably used in all kinds of applications
2014

- Certification of On-Board electronic „OPAT“ (ATEX and IECEx) by NEMKO/Presafe
- Certification of DMA PROFIBUS-Interfaces by PNO
- Extension of PROFIBUS functionality by implementation of PROFIDRIVE
- PROFINET devices ready for series applications
- New partners in Sweden and India
- Redesign of adapter for RS232 ↔ USB
- Take over of production for several electronic devices for sanitary applications
HCS GmbH

Facts and Data – Products

- Overview

  - Digital amplifier and controller modules (DMA)
  - Digital amplifier and controller boards (DAC)
  - Digital On-Board amplifier and controller (ODC)
  - Bus-Interfaces – PROFIBUS, PROFINET, ETHERNET/IP, CANopen (DAC, DMA, ODC)
  - LVDT sensor interfaces (DAC, DMA)
  - Parameterization software (HCSTool)
  - Commissioning units, hand-held control unit, interface adapter (accessories)
  - Customer specific adaptations and electronic devices
DMA (Digital Module Amplifier)
• 2 and 2 x 1 – channel version – open-loop applications
• Closed loop applications (valve or process)
• With Bus-Interfaces (PROFIBUS, PROFINET, CAN-OPEN, ETHERNET/IP); single/multi-fold
• With LVDT sensor interface
• Commissioning unit, interface adapter
• Customer specific adaptations (soft- and hardware, brand-labeling)
DAC (Digital Amplifier Controller)

- 2 and 2 x 1 - channel version – open-loop applications
- Closed loop applications (valve or process)
- With Bus-Interface (PROFIBUS)
- With LVDT sensor interface
- Commissioning unit, interface adapter
- Customer specific adaptations (soft- and hardware, brand-labeling)
**ODC (On-Board Digital Controller)**

- 2 and 2 x 1 – channel version – open-loop applications

- Closed loop applications (valve or process)

- With Bus-Interface (CAN-OPEN-BUS)

- Customer specific adaptations (soft- and hardware, housing, connectors)

- Multiple configurations and adaptations possible
**HCSTool** (Parameterization-Software)

- For all HCS products universally usable
- 3 languages on installation (D, E, F)
- With integrated oscilloscope-function for DMA modules
- Free of charge download from our web page

www.h-c-s-gmbh.de/download

- Customer specific adaptations possible (Brand-Labeling, foreign languages)
Customer specific (Adaptations, Electronics)

- Brand-Labeling / OEM (DAC, DMA, HCSTool etc.)

- Special Soft- and Hardware

- Engineered to order: fluid technology applications

- Engineered to order: Embedded Control applications
HCS GmbH
Facts and Data – Partner and Distributors

EUROPE

NORWAY, ALL NORDIC COUNTRIES

Servi AS
Rasmus Solbergs vei 1
N-1400 Ski
Norway
Tel.: (+47) 64 - 979 797
Fax: (+47) 64 - 979 899
Bente.Klevan@servi.no
www.servi.no

SWEDEN (South-West)

PMC Hydraulics AB
Askims Verkstadsväg 15
Box 1013
SE-362 1 Askim
Sweden
Tel.: (+45) 31 - 29 98 40
Fax: (+45) 31 - 29 96 01
Per-Anders.Kallden@pmchydraulics.se
www.pmchydraulics.se

SWEDEN (North-East)

Norrlands Hydraulik
Lärlingegatan 34B
SE-504 22 Umeå
Sweden
Tel.: (+46) 70 - 646 57 57
tommy@norhfyd.se
www.norrlandsnydraulik.se

SWITZERLAND

GRIBI Hydraulics AG
Lättmanstr. 33
CH-8952 Schlieren
From 2012, Industrieiistrasse 19
CH-8952 Bergdietikon
Switzerland
Tel.: +41 (0) 1 - 733 - 45 59
Fax: +41 (0) 1 - 730 - 58 00
info@gribi-hydraulics.ch
www.gribi-hydraulics.ch

FRANCE

SEFHYDRO
Pôle Républicque 1
23, Rue des Entrepreneurs
BP 1088
F-89060 POITIERS
Tel.: (+33) 549 - 607 016
Fax.: (+33) 549 - 602 400
direction@sefydro.fr
www.sefydro.fr

GREAT BRITAIN

Voith Turbo Ltd.
6 Bedington Farm Road
Croydon, Surrey
England CR0 4XB
Tel.: (+44) 208 527 0333
Fax: (+44) 208 667 0403
nick.moody@voith.com
www.uk.voith-turbo.com

ITALY

BIMAL S.r.l.
Via Monni 18 - 14
I-06135 Ponte Valleseppi (PG)
Italy
Tel.: (+39) 075 - 592 1770
Fax: (+39) 075 - 592 1780
a.palucci@bimal.com
www.bimal.com

SOTEK S.r.l.
Ponte San Giovanni
Via G. Benucci 88
I-06135 Perugia (PG)
Italy
Tel.: (+39) 075 - 592 8710
Fax: +39 075 782 3791
www.sotec.it

ASTERISCO TECH s.r.l.
Via Yuri Gagarin 73
00673 Carciano (PG)
Italy
Tel.: +39 075 782 3791
Fax: +39 075 782 3791
www.asterisotech.com

HRE HIDRAULICA S.L.
C / Ibaia tarte, 21
E-20670 Elgoibar
Spain
Tel.: (+34) 943 - 742 130
Fax: +34 943 - 742 708
hre-hidraulica@hre.es
www.hre.es

GLUAL HIDRAULICA, S.A.
Landeta Hiriakoa, 11
E-20730 Azpeitia (Gipuzkoa)
Spain
Tel.: (+34) 943 157 015
Fax: (+34) 943 157 404
j.valverde@glual.es
www.glual.com
HCS GmbH

Facts and Data – Partner and Distributors

ROW

USA I
SERVI FLUID POWER INC.
22240 Merchants Way | Suite 100
Katy, TX 77449, USA
Tel: (+1) 281 - 347 8080
info@sfpny.com
www.servi-inc.com

USA II
NC SERVO TECHNOLOGY INC.
38422 Webb Drive
Westland, MI 48185-1974, USA
Tel: (+1) 734 - 326 6666
Fax: (+1) 734 - 326 6659
sales@ncservo.com
www.ncservo.com

USA III
HYDRA-FAB FLUID POWER INC.
3055 Laird Road Unit 5
Mississauga, Ontario L5L 6Z8
Canada
Tel: (+1) 905 - 569 1810
Fax: (+1) 905 - 569 7801
rgore@hydrafab.com
www.hydrafab.com

USA IV
Hawe Hydraulik - East
5008-K Perimeter Woods Drive
Charlotte, NC 28216, USA
Tel: (+1) 704 - 509 1599
Fax: (+1) 704 - 509 6302
sales@hawehydraulics.com
www.hawe.com

USA V
Hawe Hydraulik - West
912990 S.E. HWY 212
Clackamas, OR 97015, USA
Tel: (+1) 503 - 222 3295
Fax: (+1) 503 - 225 5970
sales@hawehydraulics.com
www.hawe.com

ASIA

AUSTRALIA I (Brisbane)
KC Kim Consulting GmbH
Support in German, English, Chinese and Korean
Industrial Engineering Im- und Export
Lichtenhainstr. 9
D-30616 Isernhagen
Tel: +49 (0) 11-898888-17
Fax: +49 (0) 11-898888-29
kc.kim@kc-co.com
info@kc-co.com
www.kc-co.com

Hydraulic Specialists
Australia Pty Ltd
21 Production Street, Wacol
Queensland, Australia. 4076
Tel: +61 (07) 3879 4400
Fax: +61 (07) 3879 4333
brisbane@hsus.com.au
hsus@hsus.com.au

India

Hydraulic Specialists
Australia Pty Ltd
9 National Drive., Hallam
Victoria, Australia. 3803
Tel: +61 (03) 9795 5433
Fax: +61 (03) 9796 4555
melbourne@hsus.com.au
hsus@hsus.com.au

Greentech Engineers
Australia
Mr. Vish Kangwoda
contact@greentechtea.com.au
www.greentechtea.com.au
Skype: ghrizon

BRASIL, SOUTH AMERICA

Multi Pecas Prestaçao de
Servicos EIRELI-ME
Rua Manoel Mestre, 20 – Sala 01
Vila Rica
18002-350 Sorocaba / SP – Brasil
Tel: (+55) 15 - 3281 4971
Mobile: (+55) 15 - 98141 8530
friedrich.guth@hotml.com

R09 - Copyright 2018 HCS GmbH

www.h-c-s-gmbh.de