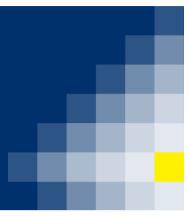


pH & Conductivity sensors Design, Engineering, Manufacturing and Distribution



Henk Leijten 16-11-2017



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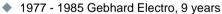




#### Introduction

# Henk Leijten

- ♦ 64 years
- Study: Bachelor Electronics & Engineering



- Repair, Sales, Certifications, Engineering
- ◆ 1986 2002 Fisher-Rosemount, Emerson, 17 years
  - √ Sales Support
  - ✓ Production Manager Systems (RS3, Provox, DeltaV)
  - √ Global Procurement
- 2003 now Yokogawa Proces Analyzers Europe, 14 years
  - Production Manager Analytical (pH, SC, DO sensors and Analyzers)
    General Manager (pH, SC sensors)
- Activities
  - ➤ Work at Yokogawa
  - > Drive Motorbike
  - ▶ DIY at home











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### Yokogawa Process Analyzers Europe BV



- Manufacturing Organization within Yokogawa Corporation.
- Amersfoort. The Netherlands
- 1982 Electrofact acquired by Yokogawa
- **Worldwide Production for:** 
  - pH sensors
  - Conductivity sensors
  - > Fittings, Adapters, Holders
  - Cables for sensor mounting
- Employees employed in:
  - Chemical laboratory
  - Mechanical workshop
  - Glass blowery
  - pH- & Conductivity Sensor assembly lines
  - Development & Engineering
  - Purchase, Planning & Order Processing, Distribution
  - Finance controlling.

Number of YPA employees 47 fte

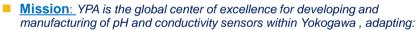


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# **YPA Strategic overview**



- Extension of business by product digitalization and other parameters (DO, FC,
- Simplified display analyzer (HMI) function for new industries
- Overall Strategy: secure further business growth, following the Transformation 2017, despite the existing market challenges



- → Grow current marketshare before the end of FY2021 by:
- the introduction and further expansion of the intelligent Sencom sensors in our defined target markets:
- -> Petro- and chemical industry
- Power industry
- → Food Industry
- Water and waste-water industry (new)



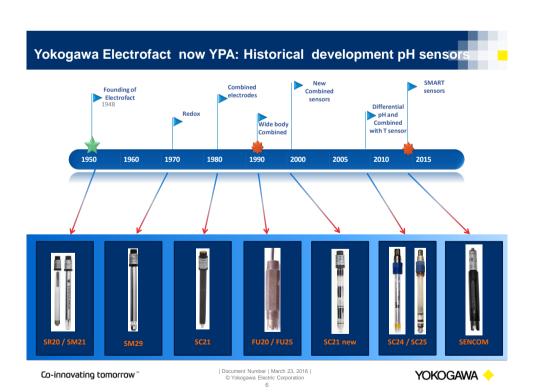
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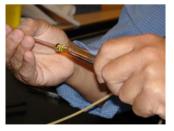
# **Production process pH-Glass**



- · Production of special glass in our laboratory
- · Glassblowery with 8 skilled employees
- Takes 3 5 years to have a skilled glassblower
- It takes 5-10 years to have an experienced glassblower skilled for all complex products







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# **Production process pH-glass (Core business pH)**



### Glass production on specific recipe





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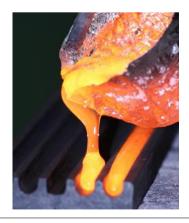




# **Production process pH-glass (Core business pH)**

- Production process pH sensor
  - ▶ Laboratory
  - -Melting pH glass
- Moulding pH glass



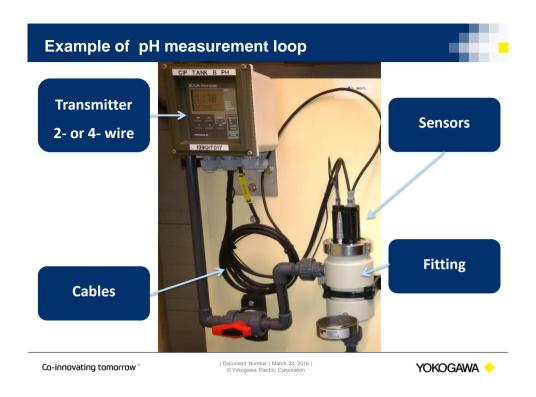


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### Sensors based on SENCOM technology

Released: Digital pH sensors (FU20F, FU24F, SC25F)

Integrated (non re-usable) SENCOM technology Certified for ATEX/IECEX, FM, CSA, TIIS fully IP67 (no moisture problems!!)





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### PRODUCTS: Some examples of Conductivity Sensors





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