



**ambiente, feel the touch**

# ambiente

„With a lot of passion we develop, design and **produce professional Panel PCs entirely in Germany** – since 1991.“

- 75 employees
- 2000 m<sup>2</sup> area for production and development
- own software/hardware development department
- production „made in Germany“
- world wide distribution with partners

# Milestones of tci

- 1991:** start up
- 1996: concentration on developing, manufacturing and marketing of industrial computers
- 2000:** **Panel PC A15 is presented at the HMI**
- 2002:** **certified to DIN EN 9001:2000**
- 2004: opening showroom at tci
- 2005:** **PreVision Control**
- 2006: ambiente presented at lighth+building
- 2008:** **opening ambiente.lounge**
- 2009: self-development baseboard technology and widescreen touches
- 2011: 20 years tci and the launch of contatto
- 2014:** **launch pureKNX and luna**
- 2018: certified to ISO 9001  
launch of the new ambiente in Bauhaus design

# Markets



Medical Technology



Industrial Automation



Building Automation

# Why tci



## **Competent Consulting**

from the requirement analysis up to the selection of suitable solutions

## **Reliable and Extremely Durable**

due to the modular design of our systems with baseboard and CPU module

## **Made in Germany**

# Why tci



## PreVision Control

examines permanently all relevant system parameters and informs the user immediately if any risk of breakdown occurs.



# Product Overview - Building Automation



pureKNX



ambiente



contatto



luna in EPG or UPG



luna in APG



luna in KTG

# Simple and Ingenious – Easy Smart Home



pureKNX-Trend 10

## Compatible Control Concept with easy smart home

- KNX touch switch
- noble design
- intuitive operable
- can be installed flush in the wall



# Highlights - pureKNX



## The Simple Introduction of Building Technology:

- for ETS-programmers
- parameterizable in native ETS dialog, no plug-in
- only 1x programming - multiple using:
  - load the app to your smart phone
  - smartphone will automatically find the pureKNX
  - ready for immediate use
- Usage of the app via Wi-Fi and internet
- optional with door communication



∅ engineering



by user



second project

# Highlights – New pureKNX

- new design
- integrated user management
- bicolor LED for signaling different states
- temperature sensor
- optional: digital input and digital switch output



# Highlights – New luna

- bicolor LED for signaling different states
- integrated room temperature sensor
- integrated intercom
- software interface for bicolor LED, I/O and temperature sensor
- optional: digital input, e.g. for storey call button, digital switch output

luna	VI	PC
7"	✓	-
10"	✓	✓
16"	✓	✓
22"	✓	✓



# Highlights – New ambiente



## ambiente Design Touch

- modern processor hardware
- full HD display
- frameless glass front with multitouch
- timeless Bauhaus design

# Highlights - contatto

## VoIP – Voice over IP Communication with IP standard

- door communication
- security (alarm camera, video control)
- room-to-room communication
- available for luna and pureKNX-Trend



# Installations & References



# Installations & References

## **luna16 for Therapy and Regeneration**

- management of cold chambers for therapy
- three cold chambers measuring minus 10, 60 and 110 degrees are cooling the body down step by step in order to reduce symptoms
- a maximum stay of three minutes



Reference: icelab – thermal bath “Spessart“

# Installations & References

## ambiente15 as Visitor Management System

- room reservation
- visitor management system
- news ticker
- RFID for access control



Reference: Fraunhofer Institut



# Installations & References

## 7" Touch System - Latest Technology in the Hotel

- oldest Hotel in Saas-Fee
- 28 rooms
- light and multimedia package



Reference: The Dom – Hotel in Switzerland

# Installations & References

## **ambiente - Exclusivity in Dubai**

- six bedrooms
- more than 400 data points
- integration of surveillance cameras



Reference: Dubai – luxury villa in Emirates Hills

# Installations & References

## ambiente15 in Luxury Mansions of a Building Project

- shutter
- heating
- weather station and records of meteorological data
- lighting
- alarms and fault signals
- multimedia functions



Reference: "King Abdullah Economic City" in Saudi Arabia

# Installations & References

## Pleasant Lighting due to ambiente

- in Riad, Jeddah and Ahasa
- 15 colleges + three administration buildings
- lighting control



Reference: Saudi Arabia – „King Saud bin Abdulaziz University for Health Sciences“

# Installations & References

## Luxury Comfort because of luna

- touch panel for quad client
- two-storey penthouse flat
- functions (among others): air conditioning; reacts to weather conditioning through adjusting shutters and awnings; video monitoring & intercom; monitoring of the whirlpool
- four luna touch panels for KNX based building control



Reference: Konstanz, Lake Constance

# National Partners in Germany



**Ingenieurbüro  
Beyer**  
Sauerbruchstr. 39-41  
Liegnitzer Str. 10  
24537 Neumünster



**Purrath Systeme**  
Lange Straße 14  
04103 Leipzig



**Landwehr  
Elektrotechnik**  
Brunnenallee 111  
32257 Bünde



**Energieeffizienz-Zentrum**  
Justus-von-Liebig-Str. 4a  
24537 Neumünster



**NAT Neuberger Anlagen-Technik AG**  
Kopernikusstraße 27  
85221 Dachau

# National Partners in Germany



**Thomas Langer KNX-Systemtechnik**  
Augustinusstraße 11c  
50226 Frechen



**Christmann Automation GmbH**  
Marienbader Straße 1  
65597 Hünfelden



**CASAIO - smart buildings**  
Ignatius-Gropp-Str. 2  
97261 Güntersleben



**MOSTER**  
Bliesstraße 9  
67059 Ludwigshafen



**electroplus Hammel Inh. Jürgen Hammel**  
Bahnhofstraße 5  
55494 Rheinböllen

# International Partners



Futurasmus KNX Group



Kiwis Advanced Technologies



Nika Engineering



Greentec Automation DMCC



Futurasmus KNX Group



KNX Groothandel



Pericom AG



- ECA Technologie  
- Ergo Design & Technology GmbH/srl



AV Stumpf GmbH



Futurasmus S.L.



DHAS - Dantziguan Hrayr Automation Systems sarl.



Amavys Project



Futurasmus KNX Group



# You are Welcome

Showroom  
Heuchelheim  
Germany



ambiente.lounge  
Giessen  
Germany



Internet



Tischpanels für die Gebäudeautomation

Wir sind stolz auf unsere Tischpanels, die mit modernster Technologie ausgestattet sind. Unsere Tischpanels sind die perfekte Lösung für die Gebäudeautomation. Sie sind leicht zu installieren und zu warten. Sie sind auch sehr flexibel und können an fast jede Tischgröße angepasst werden.

[ambiente.de](http://ambiente.de)

**tci** ambiente

solutions connecting people with technology

CSO | CONSULTING

**Thank you  
for your attention.**