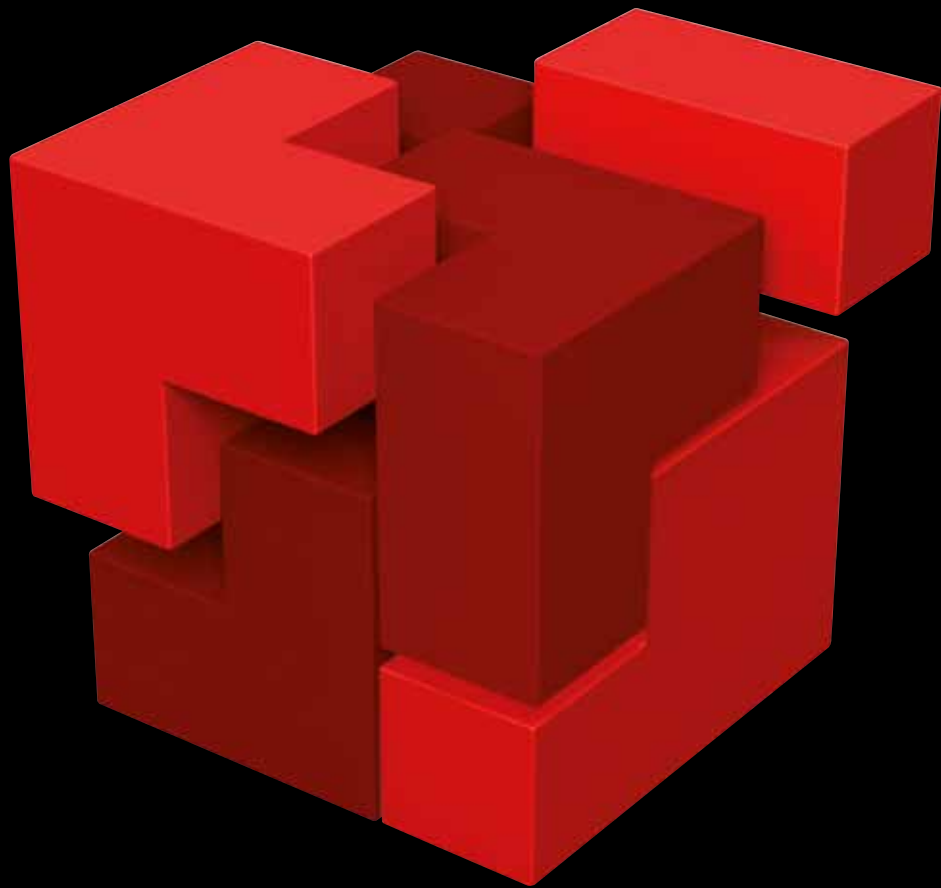


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# TECE – COMPANY AND PRODUCTS



**TECE** 

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Welcome to the world of intelligent housing technology



TECE head office with training centre, Emsdetten

Can we make something good  
even better?



Our customers have very clear expectations of their technical appliances: they have to work. 90 percent of our products impress thanks to their unnoticed function – they are invisible in the wall. Only 10 percent are actually visible, e.g. our push plates which elegantly combine form and function. And this could be the motto for our company:

**Can we do it better, faster, more easily– more attractively?**

TECE has grown by asking questions and embraces a culture of questioning obvious solutions. We want the solutions and products resulting from this to always do justice to the attribute "intelligent housing technology", and to provide the customer with decisive benefits. This remains our claim for the future!



**TECE's roots go back to 1955 when it began life as a practical engineering company.**

It developed in time into a group of companies. Today TECE is a medium-sized, family owned company with a culture aimed at long-term and controlled growth.

# 1955

**1955-1986**

TECE was formed in the 1950s. Gerd Fehlings founded the company WWK which was later renamed Interdomo Heizkesselwerke, and developed the first oxygen-tight plastic pipe for floor heating systems. Gerd Fehlings is an engineer first and foremost – his passion is building services.



# 1987

**1987-1992**

In 1987, he and his son Thomas Fehlings founded TC-Thermconcept, today known as TECE. The company became a pioneer in plastic pipe-work installation systems. The expertise developed during the company's founding years now informs today's German DIN standards.



# 1992

**1992**

The basic product in the TECE range was a minor revolution in 1992: TECEflex, a plastic pipe with an aluminium jacket. Its O-ring free fitting offered operatives a hitherto unknown level of reliability in pipe-connecting.



# 1996

**1996**

TECEprofil comprises just three basic modules, a pre-wall system with pre-assembled modules for simple bathroom installation. Constant refinement of this system is what now drives product development at TECE.



# 2003

**2003**

The TECE cistern for single and dual-flush technology is compatible with all standard spare parts. It is the first fully pre-mounted cistern which remains sealed during the building shell phase.



# 2005

2005

In 2005, Basika, specialist in stainless steel and drainage systems, joined the TECE group. From a simple drain to grease separators and lifting stations TECE now offers a complete, TECE-compatible range. The TECEdrainline shower channel is a particular success.



# 2009

2009–2011

TECEsquare is an extraflat toilet push plate made of stainless steel with a high-tech surface finish to repel fingerprints. TECEsquare has won the 2009 "Design Plus" prize, the 2010 "red dot design award" and a nomination for the "Design Preis Deutschland" in 2010 and 2011.



In 2009 TECE took a gamble on push fitting with the TECElogo installation system – with success as it turns out.



# 2012

2012

Many functions are hidden behind the elegant glass surface of the TECElux toilet terminal: an electronic touch flush actuation, a ceramic odour filter and a height adjustment, as well as possibilities for connecting all common ceramics and shower toilets without any visible power or water lines.



TECE celebrates a “quarter century”. 25 years is not yet an eternity, but an important milestone for our company history.



# 2013

2013–2014

Seal System is the new sealing standard within drainage technology. It provides certified safety in the composite sealing of TECEdrainline shower channels and TECEdrainpoint S floor drains, together with over 50 different sealing products from renowned manufacturers.



The new TECEsepa grease separator range is extremely streamlined. It provides a maximum of flexibility using a minimum of parts. Transport and assembly are just as easy as ordering, due to the small footprint and the typical modular TECE system.



# Manufacturing in depth – worldwide product certification.



Injection moulding

TECE products are manufactured at five locations. We take pride in the depth of our production and high quality standards. Our company employs around 1400 staff around the world (status 2014). Sales are handled by 22 international subsidiaries and numerous trade branches. TECE has enjoyed organic growth since it was founded.



## TECE construction and quality assurance



Metal processing



PE-X and composite pipe fabrication



Industrial prefabrication



Rotation plant for grease separators



TECE quality assurance in Emsdetten – test method for TECElogo multi-layer composite pipe



The demands on our products are naturally high, often the entire function of a building depends on them. Extensive testing in our in-house laboratories guarantees the consistently high quality of our production which is borne out by licences and certification by independent testing bodies in many countries.



# Can we do it better, faster, more easily – more attractive?

The group developed from a single engineering company and the questioning engineering culture is alive in the company to this day: Can we do it better, faster, more easily – more attractive?

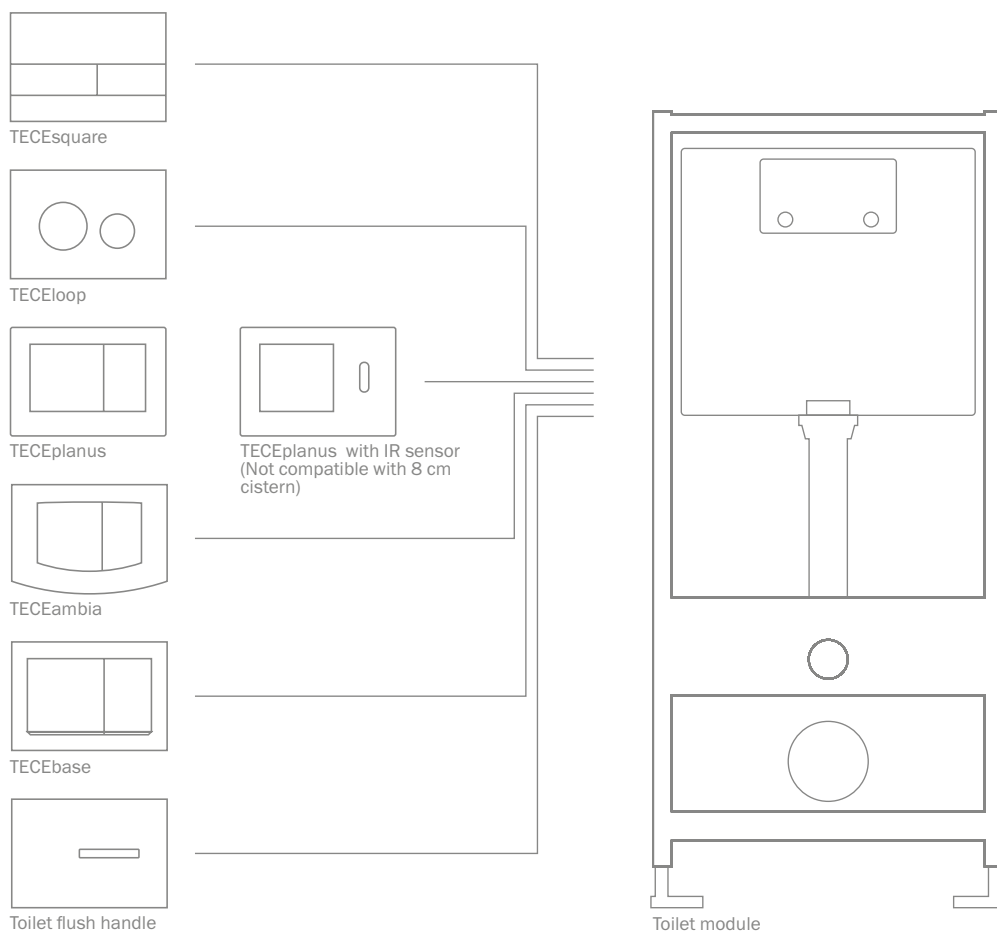
The fact that you can often answer this question with "yes" is shown in the examples on the following pages.



TECEloop: The first push plate for flush-mounted installation was from TECE.

**The TECE system idea ...**

In addition to constant product innovation, the system idea is another important component of the company's philosophy. Whether it be the shower channel, the plastic drains or just recently with the introduction of the TECEsopa S grease separator: A thoroughly thought-out range is the basis for easy ordering, low storage costs and a high level of universality. Good examples of this are the TECE push plates, which are compatible with every TECE cistern.



**TECE cisterns and push plates – always compatible!**

Selection of the right toilet push plate is really not that easy with some cistern manufacturers. Even if the push plate and cistern come from the same manufacturer, it doesn't necessarily mean that they will fit together. It's different with TECE, where selection of the right toilet push plate is not a problem.

## TECEflex – from pioneer to design classic



### **TECEflex – reliable connections for 20 years**

For more than 20 years TECEflex has been used for millions of connections worldwide – all based on the same, unchanging axial pressure sleeve technology in which the pipe is expanded and pushed over the fitting. Cross-section narrowing is thereby kept to a minimum and the robust, thick-walled fitting can be manufactured from a single component.



Potable water



Heating



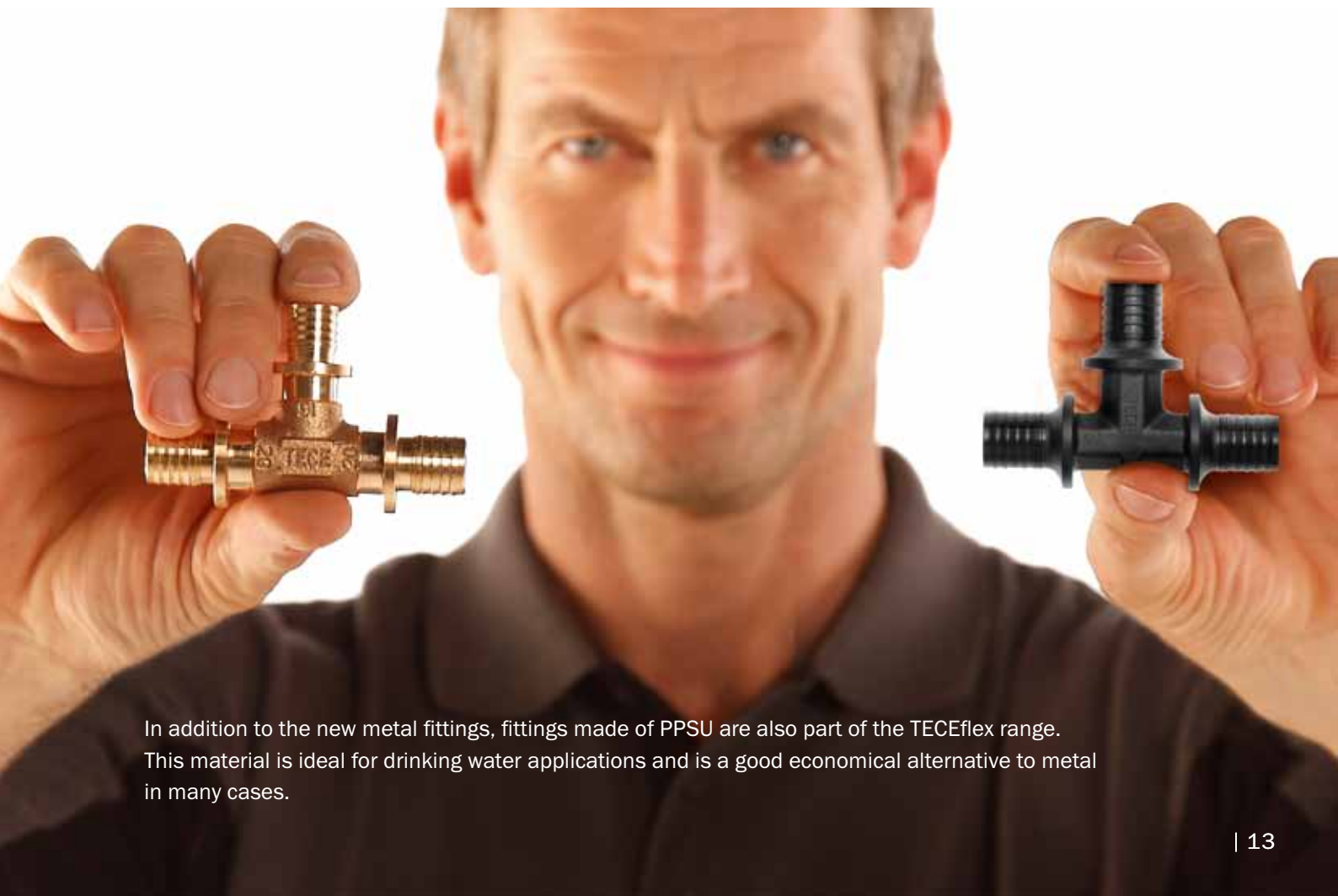
Gas



Compressed air

### One fitting and one pipe for all applications

TECEflex is not only approved for classical applications such as potable water and heating installations, but it can also be used for gas and compressed air installation – and always using the same fittings. The universal applicability of TECEflex reduces storage costs. This advantage also applies to the gas installation, because TECEflex is also approved for gas distribution by the German Technical and Scientific Association for Gas and Water (DVGW). The gas pipe is delivered in signal colour yellow to differentiate it from the white sanitary and heating pipes, but the very same brass fittings are used here as are used in all other TECEflex applications.



In addition to the new metal fittings, fittings made of PPSU are also part of the TECEflex range. This material is ideal for drinking water applications and is a good economical alternative to metal in many cases.

**TECElogo** – Install safely,  
simply by hand!



**The TECElogo range**

Everything that the installer requires for potable water and heating installations.  
In sizes from 16 to 63 millimetres, even for the rising pipe area.

## Lightweight case

This handy, lightweight case contains everything you need to cut, calibrate and release a connection. There are no heavy pressing tools here. You can also save on the annual maintenance costs and high acquisition costs for pressing tools.

**TECElogo case**  
30x25x10cm

**1,5kg**



**Pressing tool case**  
50x35x20cm

**15kg**

The TECElogo fitting impresses with its construction-site-oriented design and compactness.



- 1 Robust base bodies (PPSU, brass or red brass)
- 2 Rotatable collet with large inspection window
- 3 Clamping ring for a secure hold
- 4 Two O-rings for permanently tight connections
- 5 Hygienic cap against dust and dirt



## TECElogo – the reusable connector

The fitting cannot be forced apart once the connection has been made. Parts can be separated, however, with a special spanner. The pipe and fitting are undamaged and can be used again.

## **TECE**floor SLQ – everything thought through, everything tested, everything fits!



One of the specialties of the TECEfloor range – the manifolds for push-fitting! A time-saving, low stress alternative to common distributors with screw connections.

Optimum heat dissipation through direct overlaying of parquet and flooring





### SLQ standard – Silver Line Quality

The label stands for tested quality and the guaranteed compatibility of all components. SLQ standard is a byword for precision down to the last detail. All components are carefully selected and tested under extreme conditions. Possible sources of faults are eliminated during the design phase. External testing institutes confirm the compatibility of TECEfloor connections.

### TECEfloor – the complete system

The TECEfloor system consists of heating pipes, laying accessories, manifolds and controls – all perfectly tailored to each other. The range includes clamped joints as well as slide-on sleeve connectors and smart design thermostats.

### Universal panel UP – only 30 mm assembly height

Ideal for the renovation of old buildings, for laying wall, ceiling and floor heating systems. For dry-wall and brick-wall construction and for use when heating and cooling.

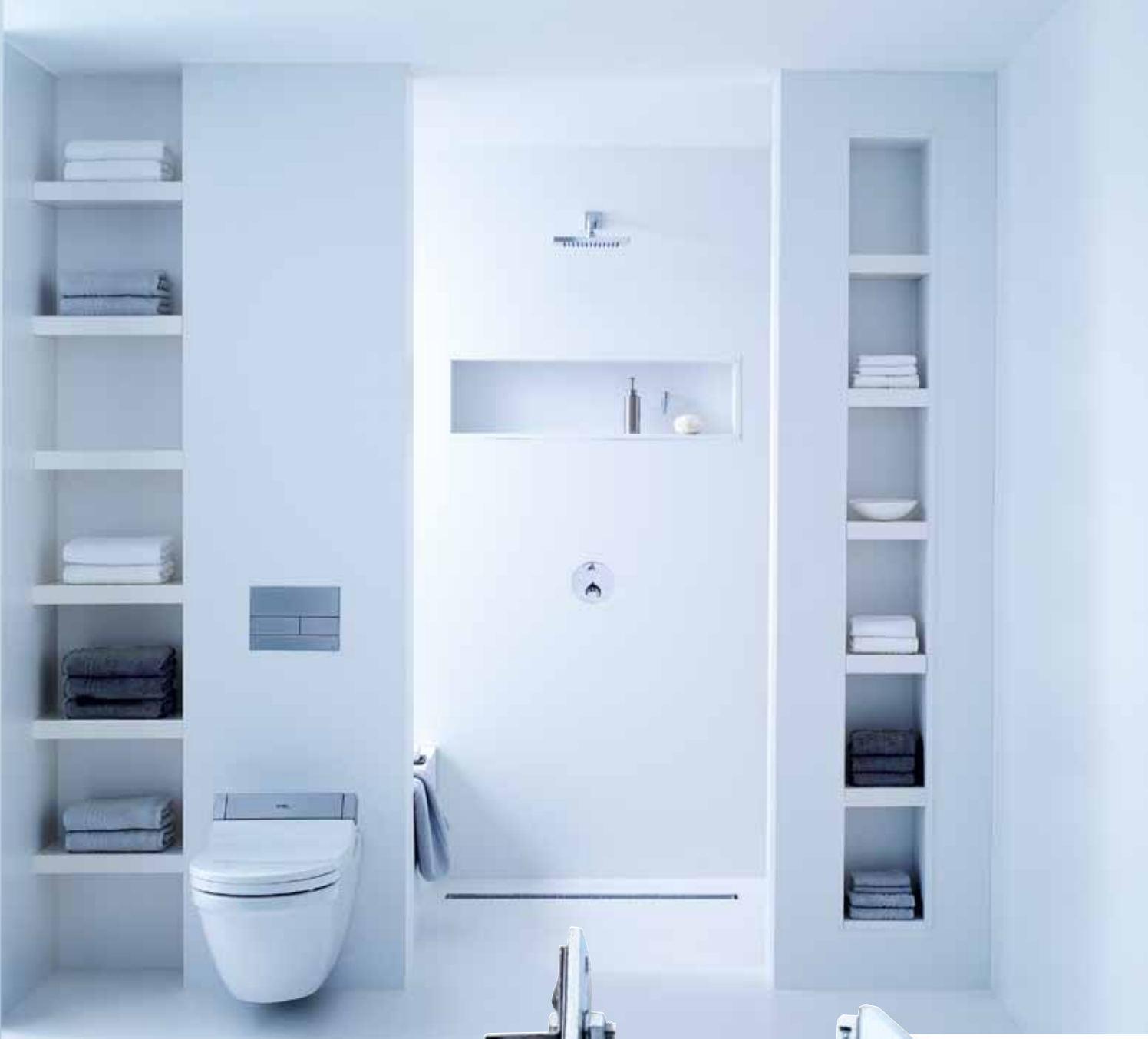
- Low assembly height of 30 mm (plus top covering) – ideal for renovations
- Low weight means installation does not cause static load problems.
- Optimum heat dissipation through direct overlaying of parquet and flooring
- High performance at low flow temperature



**Easy "single person assembly".**  
Aluminium sheets with glued polystyrene reduce the number of required assembly steps.



Bathroom design using **TECEprofil** –  
fast, clean and economical.



A complete supporting framework can be created  
with just three basic components.





TECEprofil is a complete dry-wall construction system consisting of a pre-wall support frame, sanitary installation modules and panel facing. And pre-assembled modules make installing the toilet, washstand, urinal and bidet more than easy. There is hardly any other pre-wall system that offers so many options in dry-wall construction with so few modules and accessories.

TECEprofil is ideal not just for one-off building projects, but also for major projects with varying bathroom and toilet configurations. In this case industrial prefabrication with TECEprofil is the ideal solution.

## **TECE**lux – it's all on the inside rather than on the outside ...



With TECElux, the useful functions are concealed in the wall. The safety-glass facing seems to float in front of the wall and covers the inspection opening. The cistern, connections for water and electricity and the seat height adjustment are hidden behind it. And even the ceramic odour filter, when applicable.

- 1** Adjustable seat height: The height of the seat can be continuously adjusted – by up to eight centimetres.
- 2** Upper glass facing with two options: Flush actuation manually with push buttons or electronically with non-contact sensor fields.
- 3** Optional insert chute for cleaning tablets for the cistern.
- 4** Ceramic odour filter – can also be retrofitted.
- 5** TECE cistern with dual-flush technology, in use over 100,000 times!
- 6** Lower glass facing for connecting all conventional wall-mounted toilets – including rimless toilets and shower toilets.



reddot design award  
winner 2011



product  
design award  
2012



DESIGN PLUS

Invest sensibly – in the sustainable flushing technology from TECE.



**Save 25 percent water annually!**

The dual flush technology of TECE cisterns makes it possible: With 4.5 litres for the full flush and 3 litres for the reduced flush, around 4.5 litres or 25 % water can be spared in comparison to normal single flush technology.

# DESIGN PLUS



The TECE drain valve received the Design Plus Prize 2009 for its water-saving technology and high level of universality. With a simple slider, the fitter can choose between 4.5, 6, 7.5 and 9 litres for the full flush, while the reduced flush remains a constant 3 litres. As far as TECE is concerned, it is this flexibility, above all, that creates sustainability: The cistern flush volume and flow rate can be adapted to any requirement.



The TECE cistern can be used universally:  
It is delivered as the TECEprofil module for dry-wall construction and as the TECEbox for brick-wall.

# Consistently compatible – TECE push plates.



The TECEsquare push plate has won multiple awards for its excellent design. Its special installation frame permits extra-flat installation. The 2 mm stainless steel plate therefore lies directly on the wall.



reddot design award  
winner 2010

DESIGN PLUS





A push plate with coloured glass surface from the TECEloop modular system. The modular system is comprised of 8 push-buttons and 13 covers, allowing up to 104 different combinations.

Every push plate fits every TECE cistern – whether standard or low installation height, front or top actuation. This is possible because we use the same technology inside all our cisterns.



More hygiene and freshness for your toilet: The insert chute for cleaning tablets – for retrofitting to the TECE cistern. Fits all TECE push plates.



Toilet module with TECE cistern



TECESquare



TECEloop



TECEplanus



TECEambia



TECEbase



Toilet flush handle

**TECE**drainline – our most attractive shower channel is practically invisible.



Discreet: TECEdrainline shower channels with the "plate" tileable channel.

Shower channel bathrooms are not just free of any trip hazards, they also appear large and tidy – the ideal solution for wellness temples based on a spacious floor plan, as well as for small bathrooms.

In the bathroom, hygiene and cleanliness are just as important as the unbridled fun of a long shower without any risk of flooding. The design of the TECEdrainline is based on decades of experience in the construction of industrial channels. With a little care, the TECEdrainline therefore remains just as beautiful after years of intensive use as it was on its first day.



The channel body is made of stainless steel and is easy to clean. Hair and dirt cannot remain anywhere.



TECEdrainline grates are available in various designs and with various surfaces in glass and stainless steel from 700 to 1500 mm.

The range also includes drains for different requirements and structural features. For instance, models with low installation height for the renovation of old buildings, or those with particularly high drainage capacity.

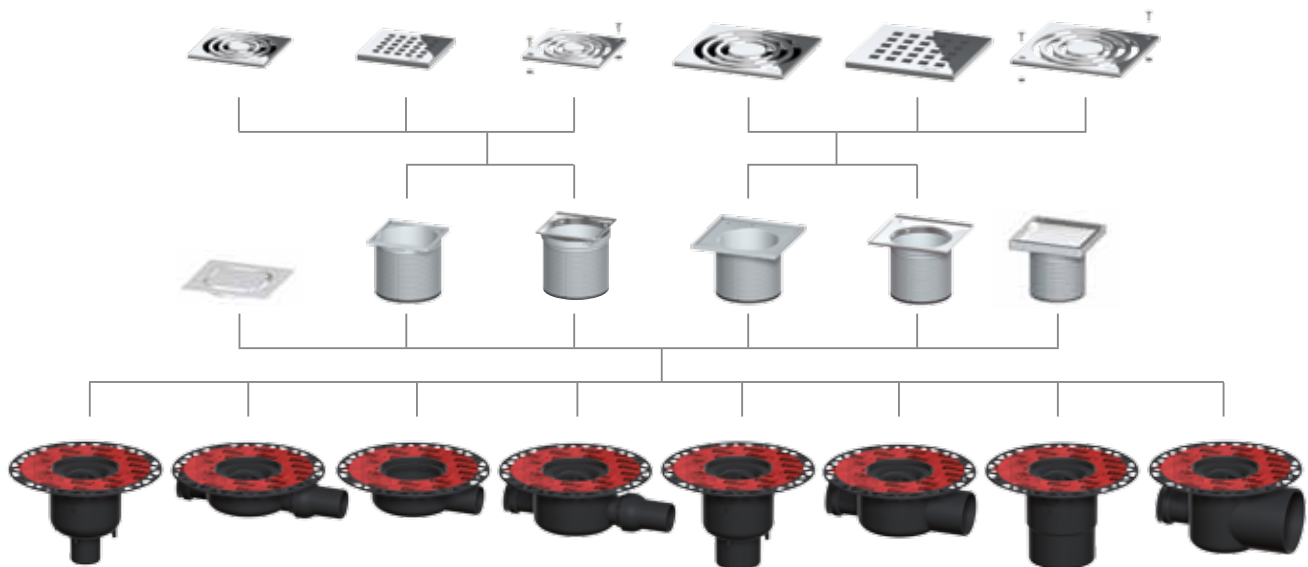
**TECE** drainpoint S point drains: compact,  
individual, versatile – with universal flange!



**The TECEdrainpoint S modular system: The streamlined alternative to confusing "complete ranges"**

The modular system – small range, countless application areas: Put together "your" drain set from a simple modular system. Choose the drain, drain top, grate and accessories to meet your requirements. Everything fits together and can be combined any way you wish.

- Complete drain systems: It couldn't be easier! Six drain sets are available for the most common applications.
- Standardised Seal System universal flange. Just one flange design for liquid and strip composite seals or clamped flange connections.
- Certified seal safety through the Seal System.



The compact range and the free combination of all drains, drain tops and other accessories permits individual drain solutions for almost every requirement.

# Point. Line. Sealed! Certified safety with Seal System.

For TECEdrainline shower channels and TECEdrainpoint S floor drains.



The standard work on composite sealing: "Point. Line. Sealed!" tells you all about certified composite seals in book form. Experienced practitioners from the trade and industry have gathered together all there is to know about composite seals in 272 pages. "Point. Line. Sealed!" is available from bookshops and online. Look for ISBN 978-3-00-040275-3, price 36 euros including VAT.

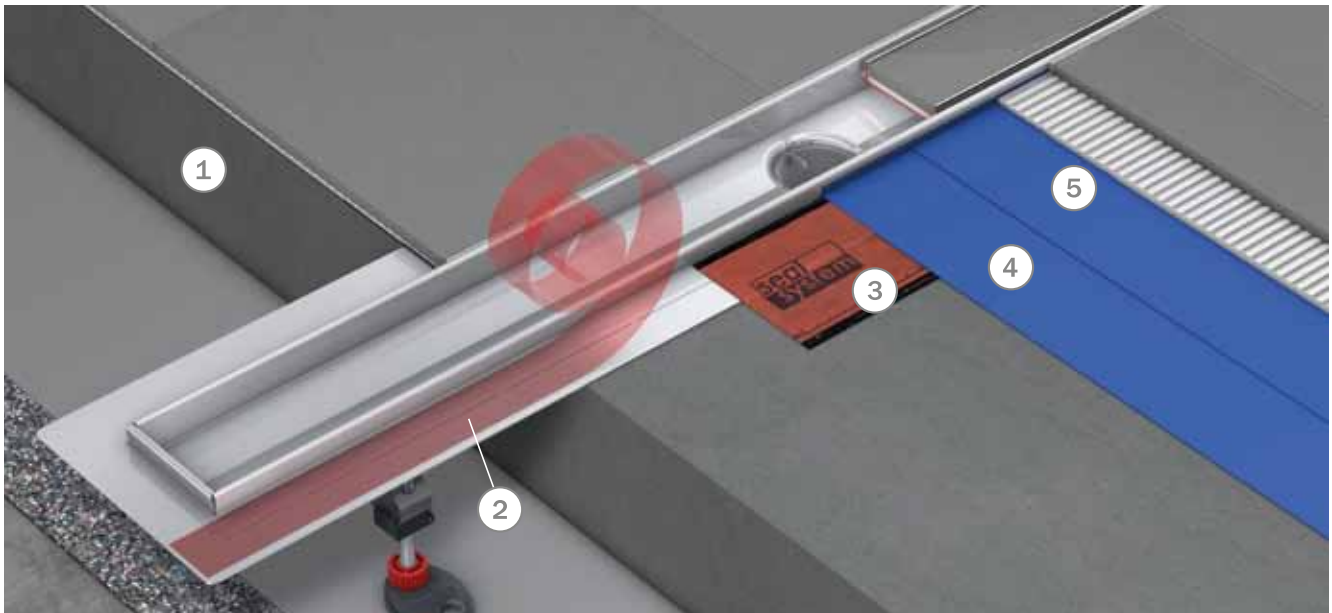
**This book is only available in German language.**

## Seal System – the new standard in composite sealing

### What is Seal System?

With Seal System, TECE offers installers and tilers tested safety when connecting composite seals to TECEdrainline shower channels and TECEdrainpoint S-floor drains. The testing was done by the independent testing institute Kiwa TBU, and was performed according to the building authorities test criteria applicable in Germany (PG-AIV). More than 50 sealing products from well-known manufacturers were successfully tested and certified. For this purpose, the functional safety (water-tightness) of the composite sealing products was tested with the TECE drainage products. A certificate is available for each product which passed the test. A list of all the certified composite seals can be called up at [www.sealsystem.net](http://www.sealsystem.net).

### Seal System – the new sealing standard for TECEdrainline shower channels.



Example of Seal System sealing of a TECEdrainline shower channel with a certified sealing product: (1) screed, (2) channel flange protective film, (3) Seal System sealing tape, (4) first layer of composite seal, (5) second layer of composite seal.



## **TECE**sepa grease separation technology: The solution for special "grease problems".



The communal drainage regulations stipulate that no materials or substances must be introduced into the public sewer that could impair its operation and result in damages. This prohibition applies in particular to greasy and oleaginous waste water from industrial and commercial operations. As a full-range supplier for housing technology, TECE also provides the right solution here.



## TECEsepa S – the lean separator range

The TECesepa grease separator range is extremely streamlined. Using a minimum number of parts, it provides a maximum of flexibility and the right solution for any and every special "grease problem".



Base body, cleaning packages and accessories are delivered unmounted on separate pallets. This allows all components to be easily transported to their place of assembly within a building, even when transport paths are narrow. The accessories such as the agitator, suction pipe and filling unit are only assembled at their place of installation.

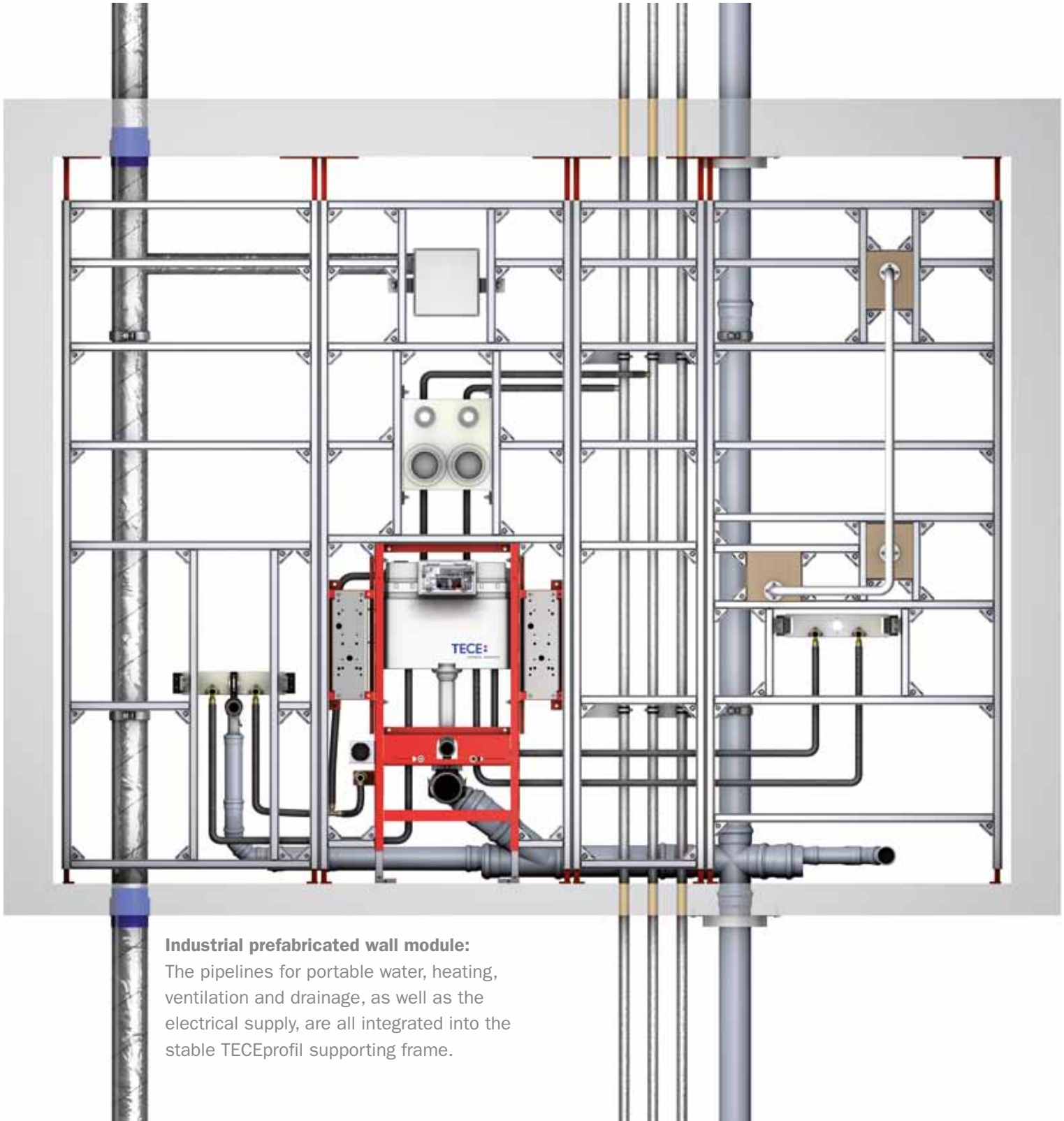


### TECEsepa S – Benefits

- Lean, clear modular system – self-explanatory.
- Low space requirement; with 80 cm width, fits through almost any door.
- Filling unit, suction pipe and agitator fit onto every TECesepa separator and are quickly assembled.

A TECesepa grease separator can be adjusted at any time to changed requirements by simple retrofitting.

Planning reliability thanks to industrial prefabrication – with **TECE**system.



**Industrial prefabricated wall module:**  
The pipelines for portable water, heating, ventilation and drainage, as well as the electrical supply, are all integrated into the stable TECEprofil supporting frame.

**With its all-round service, TECE additionally provides a trouble-free building process: from consultation, to planning the system and right up to instruction of the on-site contractors.**

TECEsystem has stood for industrial prefabrication of housing technology components for over 20 years – pre-assembled installation walls and committed service, all from one source. All systems are planned individually, produced to size in the TECE factory, and delivered directly to the site on the day of installation.

### **Planning safety:**

The coordination of the assembly of single components on site is time-consuming and often results in delays to the building plan. In standardised industrial assembly, the interfaces between the various elements of the network are optimized. Costs and dates are known from the start and adherence to them is guaranteed.

### **Time saving:**

Assembly of a TECEsystem unit on site takes less than a day. This pays off, especially when modernising occupied buildings in: A multi-storey residential building can be renovated with prefabricated walls around twice as quick as using normal methods.

### **Cost saving:**

The fast, easy installation of the systems reduces the assembly costs on site and minimises the risk of building delays. There are no storage costs for house equipment due to just-in-time delivery. During modernisation, the fast building process helps to avoid rent reductions.

### **Quality assurance:**

Industrial assembly guarantees a high quality standard. TECE only uses approved, tested products and assumes the warranty for them. All components of an installation wall are matched perfectly to each other and mounted in line with standards – including sound insulation and fire protection.

## TECE project management



Planning by TECE



Prefabrication in TECE factory



Supply to site

### **TECE Systems – "Just in Time" on the building site.**

Prefabrication guarantees a high level of standardisation and therefore a high quality level. Every sanitary unit is then manufactured with the same – industrial – precision, thereby meeting and implementing all sound insulation and fire protection requirements. The effort required for checking remains minimal during building acceptance. All that is required is random samples, in contrast to previously, when each single rising pipe had to be checked. This allows cost and time plans to be adhered to.



Instruction on site



Installation



TECEsystem after assembly



The finished bathroom



**TECE offers individual solutions for building services which are as suitable for the Rheinspeicher in Mannheim as for the guest toilet at home. Please find below a selection of reference projects carried out in Germany and other countries:**

ADAC Administration Building Munich, Artega Car Factory Delbrück, BASF Ludwigshafen, BayArena Leverkusen, BMW-Tower Munich, German Federal Central Bank Berlin, East Hangzhou Railway Station/China, Emsland-Arena Lingen, Florentinum Prag/Tschechien, Franziskus Hospital Bielefeld, Large Market Hamburg, Indoor Swimming Pool West Freiburg, New Central Station Berlin, Hilton Hotel Malta, Honda Academy Erlensee, Hotel Diplomatic Rome/Italy, Hotel Castle Kaliningrad/Russia, Hotel The Pearl Riga/Latvia, Hotel Tuanbo Tianjin/China, Hotel Villa Selene Viareggio/Italy, Ibis Hotels, IKEA Stores, MS-Hanseatic, State Parliament Düsseldorf, Legoland Germany, Lufthansa Center Frankfurt-Seeheim, McDonalds Restaurants, Muscat Airport Project/Oman, Netzaberg Housing Area Eschenbach, Nordsee Restaurants, Palace Hotel Ergrife Rome/Italy, Playmobil Play Village, Reichstag Berlin, Rheinspeicher „Speicher 7“ Mannheim, Sports and Entertainment Hall „ARENA“ Krakow/Poland, SC Paderborn Stadium, Stadium Wroclaw/Poland, City Administration Building Kiev/Ukraine, Welfenhöfe District Munich, Thyssen Administration Building Essen, University Osnabrück, Clubhouse 1. FC Nuremberg, VW Production Facility Wolfsburg, Primary School Castrop-Rauxel, Science Park Osnabrück, Ukrainian Football Centre "FFU" Kiev/Ukraine

# TECE specialist seminars – by professionals for professionals



## **TECE specialist seminars:**

TECE has a long tradition of holding seminars. Day-to-day contact with designers, tradespeople and wholesalers means we get to know our customers' concerns – and allows us to design our training content accordingly. Anyone visiting a TECE seminar can be sure of one thing: This is where you come to learn key knowledge that will move you forward and keep you one step ahead of the rest. No matter how much the challenges grow in the sanitary, heating and air-conditioning sector, our seminars will ensure you are always up to date.

## **TECE practice seminars for users:**

After theory, the practice. The TECE products can also be tested in practice in our seminar rooms in Emsdetten.



Current topics and dates are located at [www.tece.de/seminare](http://www.tece.de/seminare).  
Contact: [seminarwesen@tece.de](mailto:seminarwesen@tece.de)

At an export level, TECE is represented by its own subsidiaries and sales partners world-wide. TECE products have therefore been used in both small and large building projects for many years.

**Austria**

TECE Österreich GmbH  
www.tece.at

**Belarus**

IOOO TECE  
www.teceby.com

**Belgium**

TECE Belgium BVBA  
www.tece.be

**China**

Suzhou  
TECE Plumbing Ltd.  
www.tece.cn

**Croatia**

TECE d.o.o.  
www.tece.hr

**Czech Republic**

TECE Česká republika,  
s.r.o.  
www.tece.cz

**Estonia**

TECE Baltikum  
Eesti Esindus  
www.tece.ee

**France**

TECE France  
www.tece.fr

**Germany**

TECE GmbH  
www.tece.de

**Great Britain**

TECE GmbH  
Sales Office UK  
www.tece.co.uk

**India**

TECE India Private Ltd  
www.tece.in

**Italy**

TECE Italia  
www.tece.it

**Latvia**

UAB TECE Baltikum  
Latvia  
www.tece.lv

**Lithuania**

UAB TECE Baltikum  
www.tece.lt

**Netherlands**

TECE Nederland GmbH  
www.tece-nederland.nl

**Norway**

Probata AS  
www.probata.no

**Poland**

TECE Sp. z o.o.  
www.tece.pl

**Romania**

TECE Romania SRL  
www.tece.ro

**Russia**

OOO TECE Systems  
www.tece.ru

**Spain**

TECE Haustechnik, S.L.  
www.tece.es

**Sweden**

Solpex AB  
www.tece.com

**Switzerland**

TECE Schweiz AG  
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**TECE** ■