



Prove your quality

Braving the elements!

www.ift-messtec.de
A company of
ift Rosenheim

01

Overview of
our services

Do products really live up to their promises? What about high quality? Are the standards met? These and many other questions can be answered by us: ift MessTec – the testing pros. For more than 50 years, we have been building the best test rigs in the world and putting parts through hell. We confront them with extreme heat, cold, rain, wind, mechanical endless loops – and all of this out of a single reason: control. One thing is certain: Products that survive a test on our test rigs will withstand the elements and have more than deserved their quality mark.

OUR SERVICES AT A GLANCE

- test equipment
- furnace construction
- certified calibration lab
- measuring technology (hardware and software)
- consulting, service and training

PRODUCTS THAT WE DEVELOP, BUILD AND SELL

- test rigs for wind and driving rain loads
- furnaces
- flue gas cleaning systems
- permanent function test rigs for hinges, locks, handles, doors and windows
- tension and pressure test machines
- data recording and evaluation systems
- climate simulations for heat, cold and moisture
- fire/smoke protection test rigs
- radiation test rigs
- test rigs for U- and g-value measurement

Through hell and back again



02

The vision that drives us

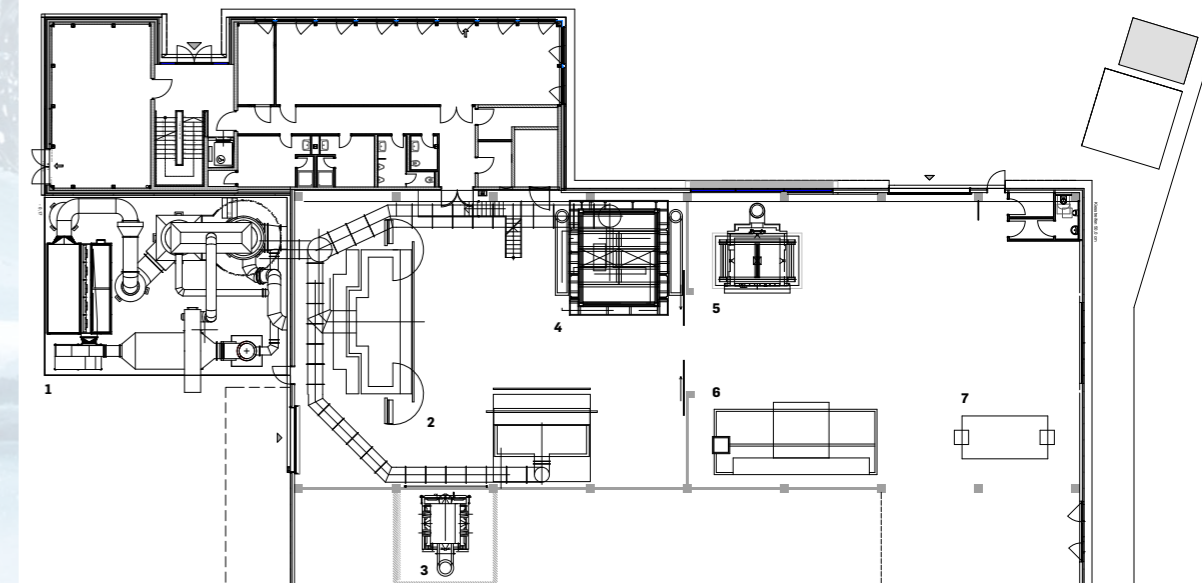
What our vision has to do with eternal ice

For centuries, people have been looking for adventure, new and undiscovered things. Whether this is about expeditions into difficult natural territories or unknown terrain on new markets – in addition to courage, one thing is needed most of all: a strong partner by their side whom they can rely on. We master challenges and conduct our customer relationships with this conviction. The map of quality assurance and standardisation work has white spots that we can only discover together as well. Thus, we pave the way towards the target step by step to find a solution that is perfectly customised for you. It is a path that we are walking together as partners.

WE ARE YOUR PROFESSIONAL PARTNER

- planning of complete test centres
- customised engineering – based on individual customer requirements
- meeting of European and international certification prerequisites

- 1 Flue gas cleaning plant
- 2 Fire resistance test furnace 8 m x 5 m
- 3 Small scale fire resistance test furnace
- 4 Ceiling fire test furnace
- 5 Column fire test furnace
- 6 Façade test rig
- 7 Burglary test rig



We make it pour

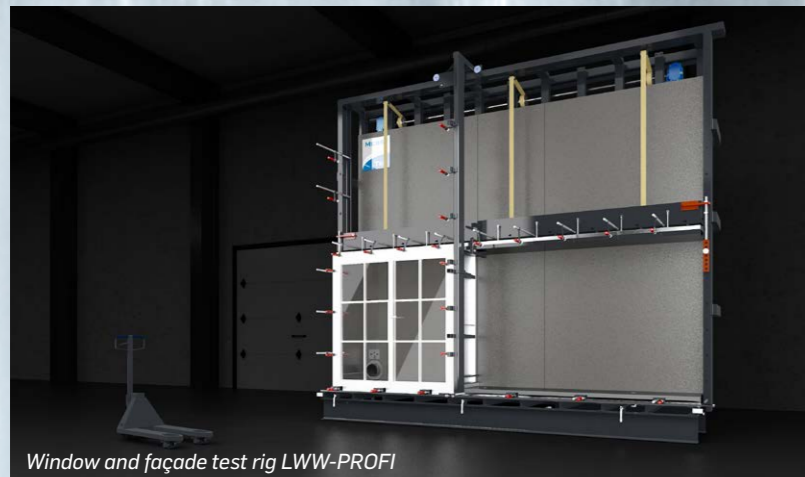
03

Windows, façades,
doors, gates and
components in the
hardness test

Windows, façades, exterior doors and gates are facing the weather. Will they stay tight? We will test their air tightness, wind load and driving rain tightness – either as PROFI-Line for test centres/labs or ECO line in the scope of the factory's own production control (WPK, QM 328).



Window test rig LWW-ECO



Window and façade test rig LWW-PROFI



Those who control fire control the danger

04

Construction
products in the
trial by fire



In case of fire, it is decisive how long building products are able to resist the flames for. Every minute counts – in particular when human lives are in danger. How safe and fire-resistant are your products? We will find out – with fire & flame.

WE OFFER

- Wall, ceiling, combined, small and column furnaces
- Gas and oil burner technology incl. prescribed safety technology
- Flue-gas cleaning systems and chimneys
- Load units
- Camera systems
- 3D-measurement, hand measuring equipment, test specimen frames and transport systems
- Software for all system components
- Smoke protection test rigs and accessories



Fire test furnace

05

How we make work
harder for burglars

The target is to withstand violence and to show strength

How safe are your components? How long can they resist violence? We simulate burglary situations, attacks and extreme weather. Neither a burglar nor nature will go easy on your building products. Our test rigs are able to simulate these circumstances in a standard-compliant or realistic manner. We will help you prove the resistance of your products against any type of violence and force!

STRONG ENOUGH?

- Burglary test rigs:
Test area
- Glass stress test
rigs: Falling ball, axe,
bending strength



All climate zones of the world in one place

06

How we simulate
climate zones

Icy cold outside, cosy warmth inside. Our climate test rigs simulate solar irradiation and the weather situations and expose products to the most extreme conditions. Why all of this? To let you know how safe your products are and whether these live up to their challenges.

TECHNOLOGY AND KNOW-HOW TO THE LATEST STATE OF THE ART

- Mobile temperature or climate modules for air-wind-water test rigs
- Climate chambers (glass, window, doors, lamellas...)
- Differential climate chambers (doors, windows, panels...)
- Additional equipment IR, UV, global radiation
- Differential climate test according to the ift guideline FE-13/1
- U-value test rig Hot-Box (heat transition measurement)
- U-value test rig guarded hot plate apparatus (heat transition measurement)
- g-value test rig (light transmission measurement)
- Radiation test rig (UV, IR, global radiation)



Solid as a rock, or just a little stone?

07

The characteristics
of a product life

We swamp products in permanent function cycles as continually, rhythmically and forcefully as waves crashing onto the beach. After all, hinges, for example, are operated up to one million times per year and windows may be opened and closed many thousand times. After this test, it quickly becomes clear whether they are standing solid as a rock or are flushed away like a little stone.



Door closer test rig

08

How we ensure proper function

Sophisticated hardware is one thing. Smart software is quite another. Both are included in our test rigs, measuring systems and terminals. With training and competent consulting, we sustainably ensure correct function at your site. Our test procedures are harsh. Our customer relationships are all the more cordial.

SAFE FUNCTION

- Control of the test rigs
- Software of the test rigs
- Training for operation of the test rigs
- Training to perform measurements
- Calibration, validation
- Lab audits



Supply unit ECO



Supply unit PROFI

We won't leave you standing in the rain or cold



Born to test

ift MessTec GmbH with its 20 employees and headquarters in Rosenheim was founded as a subsidiary of ift Rosenheim GmbH in August 2016. More than 50 years of experience and unique knowledge in terms of test activities, standardisation and calibration of our parent company are a strong background for innovative solutions. We are among the best developers and designers of test rigs and measuring equipment – depending on the customer's individual requirements. In short: We are born to test.

Have you become curious? Try us – we are looking forward to your challenge!



Stephan Lechner
CEO ift MessTec

These companies resist the elements together with us already





Prove your quality

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