



Professional Planning and Realization of Data Centres and Server Rooms



proRZ

professioneller
Rechenzentrumsbau

proRZ as independent planner of Data Centres and prime contractor as interface between IT and architecture:

The professional proRZ team of engineers, architects, technicians and merchants is focussing on the multivendor prime contractorship for Data Centres and Server Rooms. Besides the realization proRZ provides impartial engineering services for Data Centre projects.

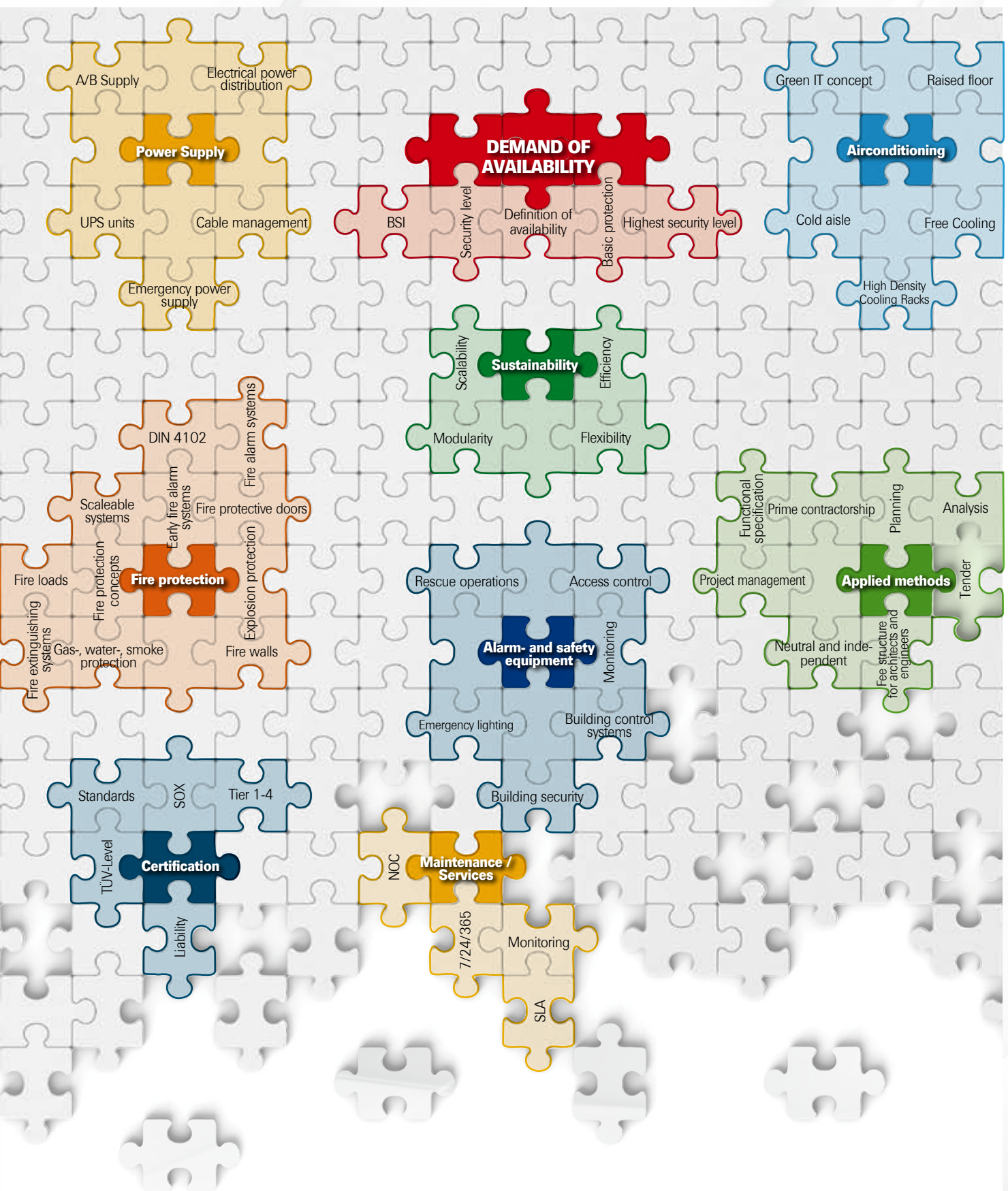
The service portfolio is oriented towards the customer's needs requiring a safe and highly available IT-infrastructures. The basic structures of each server room and data centre are optimally coordinated including climate and electric concepts coupled

with additional infrastructural components. Achieving a reliable infrastructure also means preventing failures of IT systems due to fire, water and smoke.

The specialists offer convincing overall concepts with wide ranged security solutions for all individual requirements and sizes. proRZ is certified according to ISO 9001:2000, member of the BITKOM (German Association for Information Technology, Telecommunications and New Media e.v.) and ESSA (European Security Systems Association).



Integrated solutions for extensive requirements



Planning and realization of tailor-made Data Centres and Server Rooms

proRZ plans and realizes Data Centres of individual sizes and availability requirements. The definition of availability is the first step towards individual consulting – a requisite for the quality-based realization of projects.

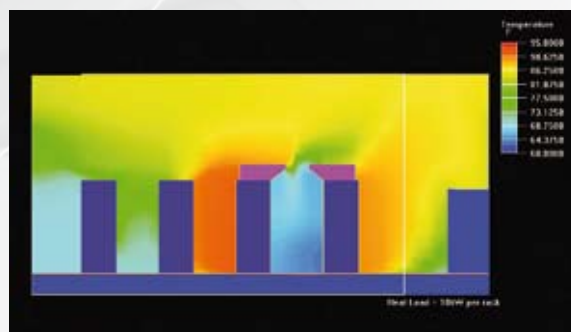
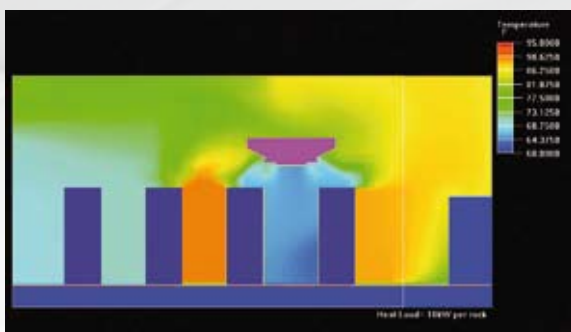
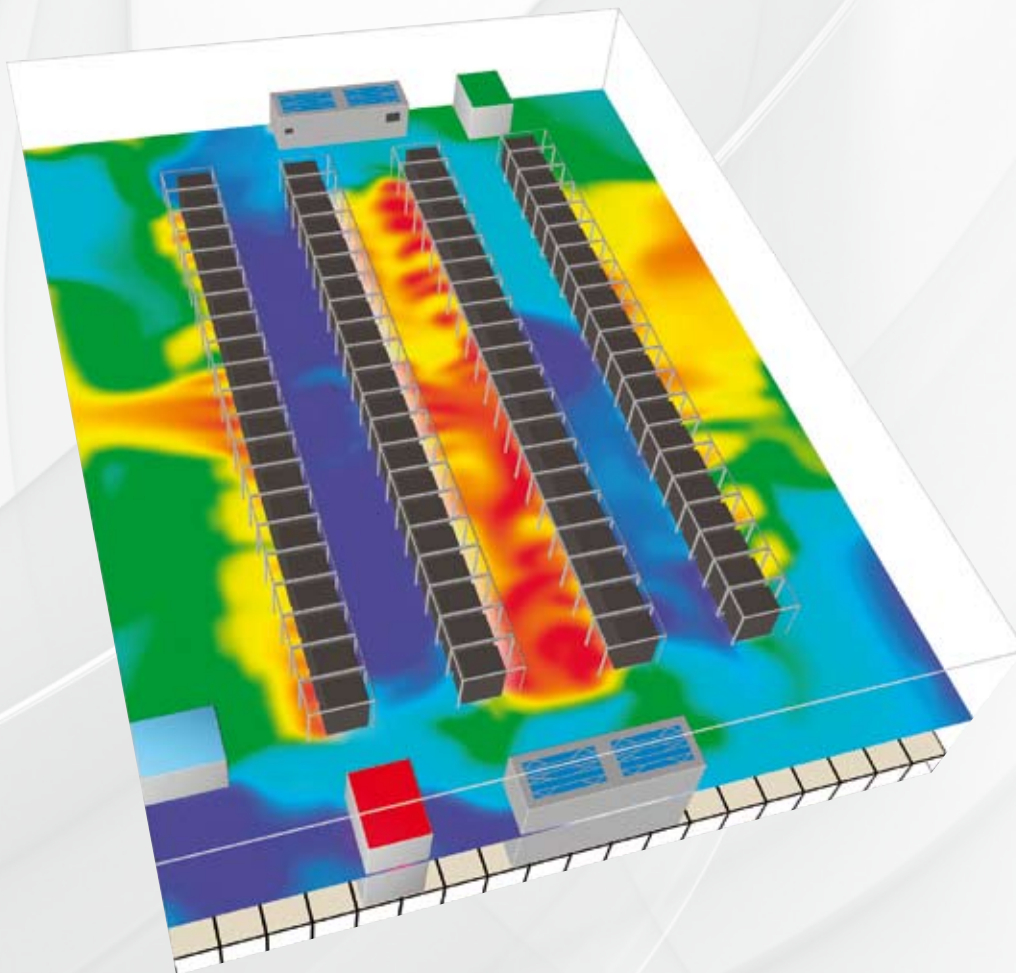
The improvement of required floor space together with energy- and cooling capacities is of additional importance at this stage. The more precisely both, analysis and planning are, the more efficient and energy-saving the realization of IT infrastructures. Of special emphasis is the experience of proRZ for upgrading server rooms without IT downtimes.



Energy-efficient IT infrastructures

proRZ is a first class partner when thinking about upgrading IT infrastructures due to the coherence of relations between physical, virtual resources and energy consumptions. Environmental acceptability coupled with energy efficiency cannot be provided overnight. Data Centres and Server Rooms do not evolve from power-hungry appliances to energy saving miracles.

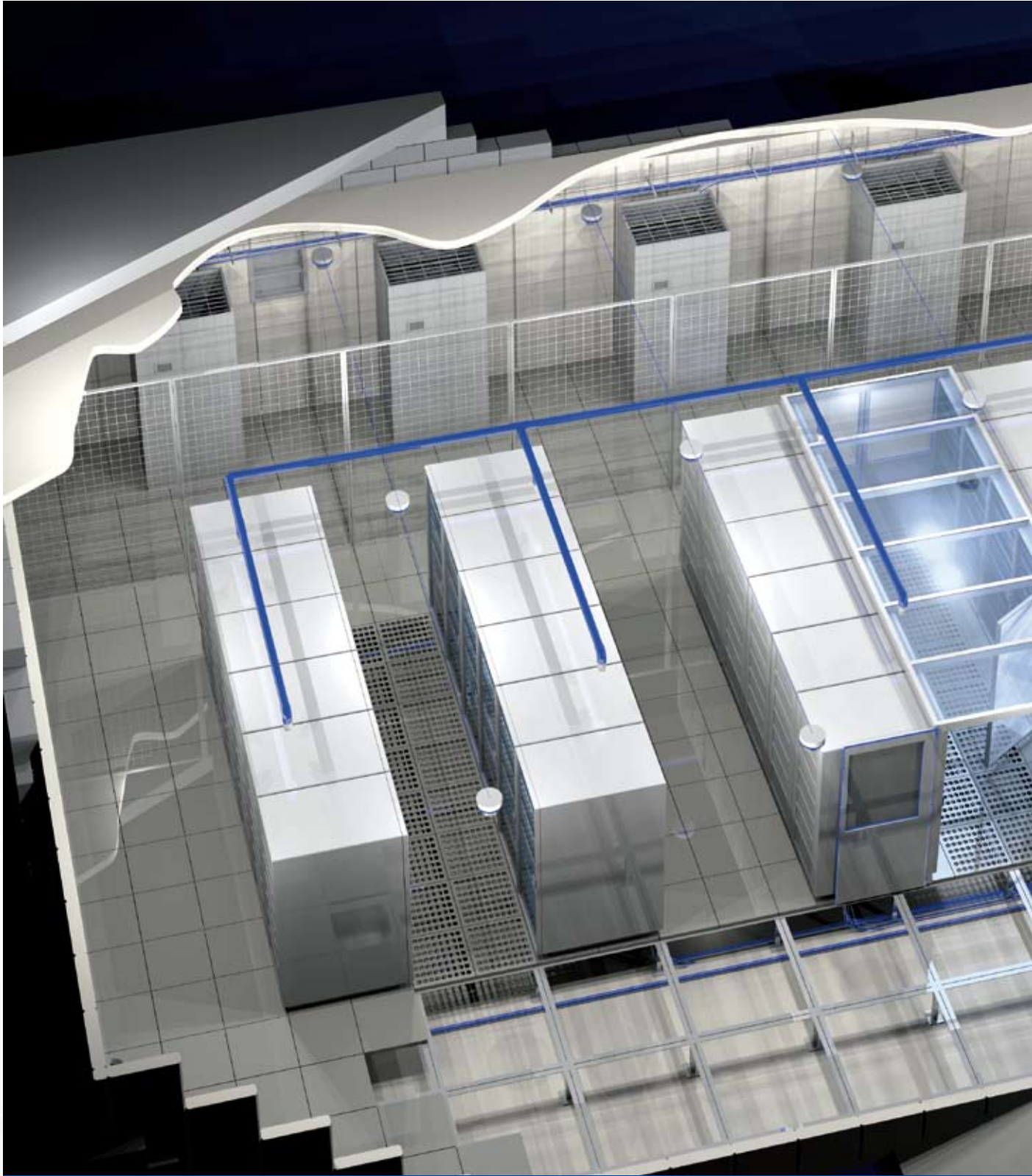
proRZ assists you upgrading your existing IT location into an energy-efficient, ecological environment. DC operations, efficiencies of energy consumptions, appropriate utilization of dissipated heat are of similar importance. proRZ provides solutions for improving air flows and analyzes how to recycle heat energies of your Data Centre.



XIT: Temperaturverteilung der Kühltürme

Turn-key Data Centres and Server Rooms

from 1 to more than 5.000 m²





DIN EN ISO 9001:2000
Zertifikat: 01 100 071440





The proRZ Mini Data Center (MDC 9.9)

Highest protection with innovative technology

A neutral testing institute certifies:

Compliance within limited values of EN 1047-2 (temperature rise < 50 K, rel. humidity < 85%), firing acc. to DIN 4102, full fire for more than **90 minutes**.

The Mini Data Center is designed for the effective protection of IT- components for a period of more than 90 minutes in cases of fire – according to the manual for basic IT Security, issued by the Federal Office for Information Security.

Air-conditioning:

Trendsetting airconditioning solutions from 2.500 up to 30.000 watts available **for each** rack.

Norms and standards

- Compliance within limited values of EN 1047-2 (temperature rise < 50 K, rel. humidity < 85 %), firing acc. to DIN 401, full fire for more than **90 minutes**
- Fire – resistance F90 according to DIN 4102-2
- Fire – resistance EI90 according to EN 13501-2
- Fire – resistance EI90 according to EN 1634
- Smoke- and water tight according to EN 60529, IP54
- General technical approval as fire protection closure T90
- Endurance door test - 200.000 door closures according to EN 1191
- Smoke tightness according to EN 1634-3
- Inflammable material according to EN 13501-2 A2S1d0
- Burglar protection class WK2 according to EN 1627-2
- Sound reduction index (residual value) 47 decibel according to DIN 4109

• A complete package for security and infrastructure

- ✓ High availability of your IT

• Possible installation for existing IT-racks

- ✓ No interruptions of IT operations for the assembly required

• Immediately ready for use

- ✓ Short assembly times

• Protection against water, dust and smoke gases

- ✓ Constructional cost savings

• Integrated fire-extinguishing system

- ✓ No additional fire-suppression systems required

• Protection against vandalism and unauthorized access

- ✓ Constructional cost savings

• Sustainable protection against corrosive fire gases

- ✓ High protection of IT systems
- ✓ Constructional cost savings

• High flexibility in case of relocations

- ✓ Asset protection by modular design

• Integrated, efficient precision air-conditioning

- ✓ Increase of energy efficiency by low volumes

• Adherence to relevant norms and standards

- ✓ Improvement of personal liabilities

Excerpt of International References

Arab Bank – JOR // Casanin AG - CH // Europa Apotheek Venlo B.V. - NL
Friedrich-Flick-Stiftung - A // Hapimag AG - CH
Hörmann Nederland BV - NL // HUF Haus - UK
IKEA Einrichtungshaus - A // IT-Security - A
Kantonsspital Winterthur - CH // LEAR Corporation GmbH - S
MAN Invest - CH // MediData AG - CH
MIGROS - CH // Moniteur Belge - B
Blue Bridge - LT // Saturn Petfood B.V. - NL
Schneider Electric CPCS - T // SML Maschinengesellschaft mbH - A
STEPcom - CH // Umdasch AG - A
VECOPLAN International - USA // Wincor Nixdorf International GmbH - USA
Wincor Nixdorf International GmbH - F // Wincor Nixdorf International GmbH - SG
Wincor Nixdorf International GmbH - S // zeb/rolfes.schierenbeckassociates - HU
Zur Rose AG - CH



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