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Company



Company brochure

[Company_brochure.pdf](#)



Technologies to protect people and our environment

Our focus is on the environmentally friendly disposal of waste through incineration, flue gas and air treatment, as well as other industrial applications that require environmentally friendly solutions.

[ZANNI GROUP Green Technologies Presentation.pdf](#)



Homepage overview

[Keep an overview.pdf](#)

Company principles



Anti-corruption

[ZANNI GROUP Anti-corruption commitment.pdf](#)



Business

[ZANNI GROUP Business philosophy.pdf](#)



Corporate culture

[ZANNI GROUP Corporate culture.pdf](#)



Environment

[ZANNI GROUP Environment policy.pdf](#)



Health and safety

[ZANNI GROUP Health and safety policy.pdf](#)

Products of the ZANNI GROUP

Combustion Plants



Overview and summary of documents

All plant sizes

[Example of a modern Mid-sized stationary combustion plant.pdf](#)

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Flue gas emission limits



AIR EMISSION LIMIT VALUES

[Flue gas emission limits as per EN2000_76_EU directive.pdf](#)

ZANNI Combustion grate technology



ZANNI combustion grate for all types of waste

English Flyer

[GRATE-SR10S_202020000952.pdf](#)



ZANNI-Verbrennungsrost für alle Abfallarten

Deutscher Flyer

[VERBRENNUNGSROST-SR10S_202020000952.pdf](#)



ZANNI combustion grate fact sheets

English Flyer

[ZANNI-GRATE.pdf](#)



ZANNI Verbrennungsrost Fakten

Deutscher Flyer

[ZANNI-VERBRENNUNGSROST.pdf](#)



ZANNI combustion grate for sewage sludge incineration

English brochure

[SEWAGE SLUDGE.pdf](#)



ZANNI Verbrennungsrost für Klärschlammverbrennung

Deutsche Broschüre

[KLAERSCHLAMM.pdf](#)

Technical Data Sheets and General Layout Drawings

Combustion plants suitable for sludge combustion

For General Layout Drawings for hazardous solid waste incineration see below, after these SICF-S plants.

Plant types: SICF-S

Capacity of plant: SICF-S 200 (up to 200 kg/h sludge and SICF up to 400 kg/h solid waste)



Technical data sheet of a combustion plant, suitable for mixed municipal, hospital, industrial waste and sewage sludge

Plant capacity 200 kg/h mixed waste @ 15000 kJ/kg

[DesignDataTable200.pdf](#)



Example of a general layout of a combustion plant with 200 kg/hour capacity for sewage sludge combustion and other hazardous waste

Drawing number: 1860-200KG-SR10S-202020000952

[1860-200KG-SR10S-202020000952.pdf](#)

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Capacity of plant: SICF-S 300 (up to 300 kg/h sludge and SICF up to 600 kg/h solid waste)



Technical data sheet of a combustion plant, suitable for mixed municipal, hospital, industrial waste and sewage sludge

Plant capacity 300 kg/h mixed waste @ 15000 kJ/kg

[DesignDataTable300.pdf](#)



Example of a general layout of a combustion plant with 300 kg/hour capacity for sewage sludge combustion and other hazardous waste

Drawing number: 1860-300KG-SR10S-202020000952

[1860-300KG-SR10S-202020000952.pdf](#)

Capacity of plant: SICF-S 400 (up to 400 kg/h sludge and SICF up to 800 kg/h solid waste)



Technical data sheet of a combustion plant, suitable for mixed municipal, hospital, industrial waste and sewage sludge

Plant capacity 400 kg/h mixed waste @ 15000 kJ/kg

[DesignDataTable400.pdf](#)



Example of a general layout of a combustion plant with 400 kg/hour capacity for sewage sludge combustion and other hazardous waste

Drawing number: 1860-400KG-SR10S-202020000952

[1860-400KG-SR10S-202020000952.pdf](#)

Capacity of plant: SICF-S 500 (up to 500 kg/h sludge and SICF up to 1000 kg/h solid waste)



Technical data sheet of a combustion plant, suitable for mixed municipal, hospital, industrial waste and sewage sludge

Plant capacity 500 kg/h mixed waste @ 15000 kJ/kg

[DesignDataTable500.pdf](#)



Example of a general layout of a combustion plant with 500 (600) kg/hour capacity for sewage sludge combustion and other hazardous waste

Drawing number: 1860-600KG-SR10S-202020000952

[1860-600KG-SR10S-202020000952.pdf](#)

Capacity of plant: SICF-S 600 (up to 600 kg/h sludge and SICF up to 1200 kg/h solid waste)



Technical data sheet of a combustion plant, suitable for mixed municipal, hospital, industrial waste and sewage sludge

Plant capacity 600 kg/h mixed waste @ 15000 kJ/kg

[DesignDataTable600.pdf](#)



Example of a general layout of a combustion plant with (500) 600 kg/hour capacity for sewage sludge combustion and other hazardous waste

Drawing number: 1860-600KG-SR10S-202020000952

[1860-600KG-SR10S-202020000952.pdf](#)

Capacity of plant: SICF-S 800 (up to 800 kg/h sludge and SICF up to 1600 kg/h solid waste)



Technical data sheet of a combustion plant, suitable for mixed municipal, hospital, industrial waste and sewage sludge

Plant capacity 800 kg/h mixed waste @ 15000 kJ/kg

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[DesignDataTable800.pdf](#)

Example of a general layout of a combustion plant with 800 kg/hour capacity for sewage sludge combustion and other hazardous waste

Drawing number: 1860-800KG-SR10S-202020000952

[1860-800KG-SR10S-202020000952.pdf](#)

Capacity of plant: SICF-S 1000 (up to 1000 kg/h sludge and SICF up to 2000 kg/h solid waste)



Technical data sheets of combustion plants, suitable for mixed municipal, hospital, industrial waste and sewage sludge

Plant capacity 1000 kg/h mixed waste @ 15000 kJ/kg

[DesignDataTable1000.pdf](#)



Example of a general layout of a combustion plant with 1000 kg/hour capacity for sewage sludge combustion and other hazardous waste

Drawing number: 1860-1000KG-SR10S-202020000952

[1860-1000KG-SR10S-202020000952.pdf](#)

Summary for the above mentioned plant examples



Summary of technical data sheets of combustion plants, suitable for mixed municipal, hospital, industrial waste and sewage sludge

Plant capacities 200 - 1000 kg/h mixed waste @ 15000 kJ/kg

[DesignDataTableAll.pdf](#)

Flow Sheet example and information of the mentioned combustion plant components



Flow Sheet example

Incomplete, as project-dependent components may be missing.

Therefore subject to change without prior notice!

[1860-00-000-Z-1901-01 Flow Sheet Example.pdf](#)



1) Combustion furnaces

[1.pdf](#)



2) Emergency (hot gas) chimneys

[2.pdf](#)



3) Flue gas cooler

[3.pdf](#)



4) Cooling air (fresh air) chimneys

[4.pdf](#)

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5) Dry-scrubbing-solvent systems

[5.pdf](#)



6) Filter systems and flue gas cleaning

[6.pdf](#)



7) Clean gas (exhaust gas) chimneys

[7.pdf](#)



8) De-Ashing systems

[8.pdf](#)



9) Control cabinets

[9.pdf](#)



10) Continuous emission monitoring systems (CEMS)

[10.pdf](#)

General Layout Drawings

Combustion plants suitable for hazardous solid waste combustion

For General Layout Drawings for sludge incineration see above, in front of these SICF plants.

Plant types: SICF

Capacity of plant: SICF 400 (up to 400 kg/h hazardous solids)



Example of a general layout of a combustion plant with 400 kg/hour capacity for solid hazardous waste combustion

SINGLE COOLER | Drawing number: 1864-400KG-SR10S-202020000952

[1864-400KG-SR10S-202020000952-REV-00.pdf](#)

Capacity of plant: SICF 800 (up to 800 kg/h hazardous solids)



Example of a general layout of a combustion plant with 800 kg/hour capacity for solid hazardous waste combustion

DOUBLE COOLER (PARTIAL LOAD OPERATION POSSIBLE FOR MAINTENANCE WORK) | Drawing number: 1864-800KG-SR10S-202020000952

[1864-800KG-SR10S-202020000952-REV-00.pdf](#)

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Capacity of plant: SICF 1200 kg/h (up to 1200 kg/h hazardous solids)

Example of a general layout of a combustion plant with 1200 kg/hour capacity for solid hazardous waste combustion



DOUBLE COOLER SYSTEM (PARTIAL LOAD OPERATION POSSIBLE FOR MAINTENANCE WORK) | Drawing number: 1864-1200KG-SR10S-202020000952
[1864-1200KG-SR10S-202020000952.pdf](#)

Capacity of plant: SICF 1600 (up to 1600 kg/h hazardous solids)

Example of a general layout of a combustion plant with 1600 kg/hour capacity for solid hazardous waste combustion



TRIPPLE COOLER SYSTEM (PARTIAL LOAD OPERATION POSSIBLE FOR MAINTENANCE WORK) | Drawing number: 1864-1600KG-SR10S-202020000952
[1864-1600KG-SR10S-202020000952.pdf](#)

Some more



Patented flue gas cooler

[AAC-202020000033.pdf](#)



Silos for dry-scrubbing solvent and filter ash

Exclusively for our SICF/SICF-S plants

[Silos.pdf](#)

Cooling-down and heating-up instructions



COOLING-DOWN AND HEATING-UP INSTRUCTIONS

Basically, the longer the better

[Cooling-down and heating-up instructions.pdf](#)

Important add-on parts

Burners for our combustion plants (recommended supplier)



COMPANY PRESENTATION

Information on burner technology

[Information on burner technology.pdf](#)



WM 20 monarch® burners

(150–2600 kW) • compact and powerful

[Information on gas, oil, and dual-fuel-burners.pdf](#)

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WM 20 monarch® burners
Installation and operating instruction
[Manual WM-L20.pdf](#)

Continuous emission monitoring systems (recommended supplier)



COMPANY PRESENTATION
About CODEL
[CODEL Overview.pdf](#)



DATA SHEET OF CONTINUOUS EMISSION MONITORING SYSTEMS FOR SICF PLANTS
SICF 200 - SICF 1000
[Emission monitoring system for SICF 200 – SICF 1000 combustion plants.pdf](#)



EnergyTech 101/102 - Opacity Monitor
TECHNICAL DATA
[Datasheet EnergyTech 101 102 web.pdf](#)



Multi-species infrared absorption analyser
TECHNICAL DATA
[Data Sheet GCEM40 Range web.pdf](#)



Hotgas multicomponent Gasanalyser GCEM 40E
TECHNICAL DATA
[GCEM 40E.PDF](#)

Fans for our combustion plants (recommended supplier)



COMPANY PRESENTATION
About WITT & SOHN
[AboutWitt&Sohn.pdf](#)



DATA SHEET FOR CENTRIFUGAL FAN
Combustion air fans SICF 200 - SICF 1000
[Combustion air fan 30102012.pdf](#)



TECHNICAL DOCUMENTATION COMBUSTION AIR FANS SICF 200 - SICF 1000
TECHNICAL DATA, FAN CURVE, SOUND POWER / PRESSURE, STARTUP /RUNDOWN CURVE, SPEED/TORQUE CURVE
[Combustion air fans W&S.pdf](#)

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DATA SHEET FOR CENTRIFUGAL FAN

Cooling air fans for Air/Air cooler SICF 200 - SICF 1000

[Fresh air fan 30102012.pdf](#)



TECHNICAL DOCUMENTATION FRESH AIR FANS SICF 200 - SICF 1000

TECHNICAL DATA, FAN CURVE, SOUND POWER / PRESSURE, STARTUP / RUNDOWN CURVE, SPEED/TORQUE CURVE



DATA SHEET FOR CENTRIFUGAL FAN

Mixed air aux. fans for cooling air outlet SICF 200 - SICF 1000

[Mixed air aux fan 30102012.pdf](#)



TECHNICAL DOCUMENTATION MIXED AIR AUX. FANS SICF 200 - SICF 1000

TECHNICAL DATA, FAN CURVE, SOUND POWER / PRESSURE, STARTUP / RUNDOWN CURVE, SPEED/TORQUE CURVE

[Mixed air aux fans W&S.pdf](#)



DATA SHEET FOR CENTRIFUGAL FAN

Induced draft fans (flue gas fans) SICF 200 - SICF 1000

[Induced draft fan 30102012.pdf](#)



TECHNICAL DOCUMENTATION INDUCED DRAFT FANS SICF 200 - SICF 1000

TECHNICAL DATA, FAN CURVE, SOUND POWER / PRESSURE, STARTUP / RUNDOWN CURVE, SPEED/TORQUE CURVE

[Induced draft fans W&S.pdf](#)

Side channel blowers (recommended supplier)



COMPANY PRESENTATION

Overview ELEKTOR

[Elektor Produktuebersicht engl.pdf](#)



Side channel blowers for SICF 200 combustion plants

COVER SHEET AND DIMENSIONAL DRAWING

[SICF200 COVER SHEET AND DIMENSIONAL DRAWING 2SD 720-5.5-9.8 kW.pdf](#)



CATALOGUE

Side channel blower for SICF 200

[SICF200 CATALOGUE 703404 1SD 2SD DE EN.pdf](#)



INSTRUCTION MANUAL

Side channel blower for SICF 200

[SICF200 INSTRUCTION MANUAL 9016355 1SD-2SD de en 08.pdf](#)

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Side channel blowers for SICF 300 combustion plants

COVER SHEET AND DIMENSIONAL DRAWING

[SICF300 COVER SHEET AND DIMENSIONAL DRAWING SD 80.pdf](#)



CATALOGUE

Side channel blower for SICF 300

[SICF300 CATALOGUE 9702019 SD DE EN.pdf](#)



INSTRUCTION MANUAL

Side channel blower for SICF 300

[SICF300 INSTRUCTION MANUAL 9016312 SD de en 10.pdf](#)



Side channel blowers for SICF 400 combustion plants

COVER SHEET AND DIMENSIONAL DRAWING

[SICF400 COVER SHEET AND DIMENSIONAL DRAWING 2SD 820-8.5-9.8 kW.pdf](#)



CATALOGUE

Side channel blower for SICF 400

[SICF400 CATALOGUE 703404 1SD 2SD DE EN.pdf](#)



INSTRUCTION MANUAL

Side channel blower for SICF 400

[SICF400 INSTRUCTION MANUAL 9016355 1SD-2SD de en 08.pdf](#)



Side channel blowers for SICF 500 combustion plants

COVER SHEET AND DIMENSIONAL DRAWING

[SICF500 COVER SHEET AND DIMENSIONAL DRAWING SD 9.pdf](#)



CATALOGUE

Side channel blower for SICF 500

[SICF500 CATALOGUE 9702019 SD DE EN.pdf](#)



INSTRUCTION MANUAL

Side channel blower for SICF 500

[SICF500 INSTRUCTION MANUAL 9016312 SD de en 10.pdf](#)



Side channel blowers for SICF 600 combustion plants

COVER SHEET AND DIMENSIONAL DRAWING

[SICF600 COVER SHEET AND DIMENSIONAL DRAWING 1SD 910 12.5-21.3kW.pdf](#)



CATALOGUE

Side channel blower for SICF 600

[SICF600 CATALOGUE 703404 1SD 2SD DE EN.pdf](#)

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INSTRUCTION MANUAL

Side channel blower for SICF 600

[SICF600 INSTRUCTION MANUAL 9016355 1SD-2SD de en 08.pdf](#)



Side channel blowers for SICF 800 combustion plants

COVER SHEET AND DIMENSIONAL DRAWING

[SICF800 COVER SHEET AND DIMENSIONAL DRAWING 2SD 920 11.0-21.3kW.PDF](#)



CATALOGUE

Side channel blower for SICF 800

[SICF800 CATALOGUE 703404 1SD 2SD DE EN.pdf](#)



INSTRUCTION MANUAL

Side channel blower for SICF 800

[SICF800 INSTRUCTION MANUAL 9016355 1SD-2SD de en 08.pdf](#)



Side channel blowers for SICF 1000 combustion plants

COVER SHEET AND DIMENSIONAL DRAWING

[SICF1000 COVER SHEET AND DIMENSIONAL DRAWING 2SD 920 11.0-21.3kW.PDF](#)



CATALOGUE

Side channel blower for SICF 1000

[SICF1000 CATALOGUE 703404 1SD 2SD DE EN.pdf](#)



INSTRUCTION MANUAL

Side channel blower for SICF 1000

[SICF1000 INSTRUCTION MANUAL 9016355 1SD-2SD de en 08.pdf](#)

Environmental protection



Environmental protection flyer

[Environmental Protection.pdf](#)

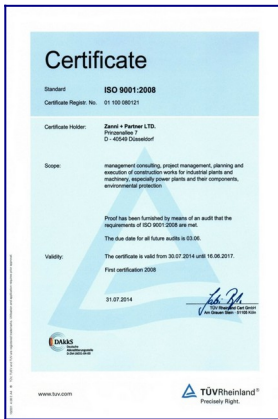
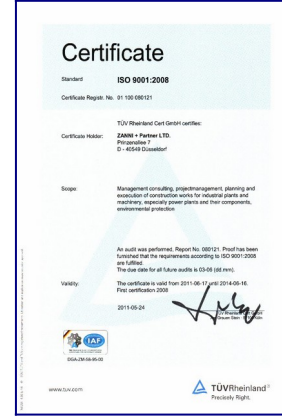
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ISO 9001:2008/2015



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Rates of Services



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Preise für Dienstleistungen

[Preise für Dienstleistungen 2019.pdf](#)

Data protection



Datenschutzerklärung

[Datenschutzerklaerung-DE.pdf](#)



Data protection declaration

[Data-Protection-Declaration-EN.pdf](#)



Datenschutz Einwilligung

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Data protection consents

[GDPR consents.pdf](#)

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