

## Market Partner

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Name:	<b>Thyssengas GmbH</b>
Street & no.:	<b>Emil-Moog-Platz 13</b>
Postcode / place:	<b>44137 Dortmund (GERMANY)</b>
Homepage:	www.thyssengas.com
Telephone:	+49 231 91291 - 0
Fax:	+49 231 91291 - 2012
Managing directors:	Dr. Thomas Gößmann (Chairman), Jörg Kamphaus
Register court:	Registered at local court Dortmund, HRB 21273
VAT:	DE 119 497 635
Bank data:	Commerzbank Essen IBAN: DE64 3604 0039 0140 2908 00 BIC: COBADEFF360

## Market role/ market codes

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EI-Code	21X-DE-G-A0A0A-U
EDIGAS-Code	RTGTSO
Grid Operator DVGW-Code:	9870009600007
Metering Point Operator DVGW-Code:	9800309300007

## Market Kommunikation

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[Communication via AS2](#) [see page 3](#)

[Communication via AS4](#) [see page 6](#)

[Communication via E-Mail/SMTP](#) [see page 9](#)

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## Market Area

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NetConnect Germany (NCG) H-Gas: NCHN007000960000  
 NetConnect Germany (NCG) L-Gas: NCLN007000960000

## Contact Persons 24/7 – Contract Dispatching / Nomination / Allocation

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	Telephone	E-Mail
General enquiries:		<b>cd@thyssengas.com</b>
El Hossain Azzouhri	+49 231 91291-6129	elhossain.azzouhri@thyssengas.com
Fabian Lang	+49 231 91291-4187	fabian.lang@thyssengas.com
Michael Rech	+49 231 91291-6054	m.rech@thyssengas.com
Enno Stieglitz	+49 231 91291-3201	enno.stieglitz@thyssengas.com
Manuela Stieglitz	+49 231 91291-1924	manuela.stieglitz@thyssengas.com

## Contact Persons Capacitymanagement/ Billing

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	Telephone	E-Mail
General enquiries:		<b>eesy@thyssengas.com</b>
Thomas Nassowitz	+49 231 91291-1277	thomas.nassowitz@thyssengas.com
Markus Pfefferkuch	+49 231 91291-1937	markus.pfefferkuch@thyssengas.com
Maike Schikfelder	+49 231 91291-1269	maike.schikfelder@thyssengas.com
Nicole Stockkamp	+49 231 91291-1446	nicole.stockkamp@thyssengas.com

## Contact Persons Measurementmanagement

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	Telephone	E-Mail
General enquiries:		<b>mscons@thyssengas.com</b>
Michael Bryl	+49 231 91291-3753	michael.bryl@thyssengas.com
Thomas Kirchhof	+49 231 91291-3617	thomas.kirchhof@thyssengas.com
Marcel Krebs	+49 231 91291-4716	marcel.krebs@thyssengas.com

## Contact Persons Market kommunikation 24/7

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E-Mail: datenaustausch@thyssengas.com  
 Telephone: +49 231 91291-7799  
 E-Mail Address for 1:1 Kommunikation: **gasdata@thyssengas.com**

## AS2 Connecting Sheet

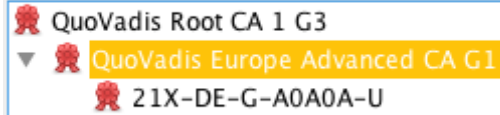
<b>Partner Name</b>	<b>Thyssengas GmbH</b>
<b>Market Partner-ID</b>	<b>9870009600007 RTGTSO 21X-DE-G-A0A0A-U</b>
<b>Contact Administration</b>	
<b>1. Contact person</b>	Thyssengas GmbH
Name	Datenmanagement
Telephone	+49-231-91291-7799
E-Mail	datenaustausch@thyssengas.com
<b>Contact Technical</b>	
<b>1. Contact person</b>	Thyssengas GmbH
Name	Datenmanagement
Telephone	+49-231-91291-7799
E-Mail	datenaustausch@thyssengas.com
<b>2. Contact person</b>	Virtimo AG
Name	Team Thyssengas
E-Mail	betrieb-thyssengas@virtimo.de
<b>AS2 Network Production</b>	
AS2-URL	http://b2b.thyssengas.com/AS2 https://b2b.thyssengas.com/AS2
Inbound public IP-Address	212.60.253.242
Inbound Port of public IP-Address	80 (http) /443 (https)
Outbound public IP-Address	213.160.31.68
<b>AS2 Network Integration / Test</b>	
AS2-URL	http://b2b.thyssengas.com/AS2-TEST https://b2b.thyssengas.com/AS2-TEST
Inbound public IP-Address	212.60.253.242
Inbound Port of public IP-Address	80 (http) /443 (https)
Outbound public IP-Address	213.160.31.68



## AS2 Connecting Sheet

QuoVadis Intermediate Certificate:

**Zertifikats-Hierarchie:**



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QuoVadis Root Certificate:

**Zertifikats-Hierarchie:**



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-----BEGIN CERTIFICATE-----
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-----END CERTIFICATE-----
    
```

## AS4 Connection Sheet

Partner Name	Thyssengas GmbH
EIC	21X-DE-G-A0A0A-U
Edigas-Code	RTGTSO
<b>Contact Administration</b>	
<b>1. Primary Contact</b>	
Name	Thyssengas GmbH
Telephone	Datenmanagement +49-231-91291-7799
E-mail	datenaustausch@thyssengas.com
<b>Contact Technical</b>	
<b>1. Primary Contact</b>	
Name	Thyssengas GmbH
Telephone	Datenmanagement +49-231-91291-7799
E-mail	datenaustausch@thyssengas.com
<b>2. Backup Contact</b>	
Name	Virtimo AG
E-mail	Team Thyssengas betrieb-thyssengas@virtimo.de
<b>AS4 Network Production</b>	
AS4-URL	http://b2b.thyssengas.com/AS4 https://b2b.thyssengas.com/AS4
IP-Address	212.60.253.242
IP-Address for sending	213.160.31.68
<b>AS4 Network Integration / Test</b>	
AS4-URL	http://b2b.thyssengas.com/AS4-TEST https://b2b.thyssengas.com/AS4-TEST
IP-Address	212.60.253.242
IP-Address for sending	213.160.31.68

## AS4 Connection Sheet

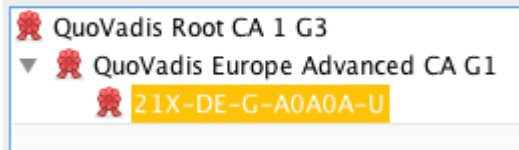
AS4 Parameter	
PartyID	21X-DE-G-A0A0A-U
PartyID Type (optional)	<a href="http://www.entsog.eu/eic-codes/eic-party-codes-x">http://www.entsog.eu/eic-codes/eic-party-codes-x</a>
Agreement	Schema: <a href="http://entsog.eu/communication/agreements/&lt;EIC_CODE_Party_A&gt;/&lt;EIC_CODE_Party_B&gt;/&lt;version&gt;">http://entsog.eu/communication/agreements/&lt;EIC_CODE_Party_A&gt;/&lt;EIC_CODE_Party_B&gt;/&lt;version&gt;</a> where <party-A>, <party-B> are the party EIC codes in alphabetical order
Service	A06
Role	ZSO
Service Type (optional)	<a href="http://edigas.org/service">http://edigas.org/service</a>
Action	<a href="http://docs.oasis-open.org/ebxml-msg/as4/200902/action">http://docs.oasis-open.org/ebxml-msg/as4/200902/action</a>
XML Encryption	AES128-GCM (unless otherwise agreed)
Signature Algorithm	SHA-256
Compression (optional)	Application/gzip
Certificate validity (yyyy-mn-dd)	2018-09-25 to 2021-09-25, in use from 2018-10-17

## Content Certificate

Thyssengas Public Certificate File

in use from Oct 17<sup>th</sup>, 2018 09:30 hrs CET

Zertifikats-Hierarchie:



```

-----BEGIN CERTIFICATE-----
MIIF+zCCA+OgAwIBAgIUVRvNcKk8qm04nCMbL0KUVxWx1AwDQYJKoZIhvcNAQEL
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-----END CERTIFICATE-----
    
```

AS4 Connection Sheet

<p>QuoVadis Intermediate Certificate</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>Zertifikats-Hierarchie:</b></p> <ul style="list-style-type: none"> <li> QuoVadis Root CA 1 G3</li> <li>▼  QuoVadis Europe Advanced CA G1</li> <li> 21X-DE-G-A0A0A-U</li> </ul> </div>	<pre> -----BEGIN CERTIFICATE----- MIIG9DCCBNygAwIBAgIUlZLFWu5AhRiawLboOUb01kunTmowDQYJKoZIhvcNAQEL BQAwSDELMaKGA1UEBHMCMQk0xGTAXBGNVBAoTEFFf1b1ZhZGlzIEExpbW10ZWQxHjAc BgNVBAMTFVf1b1ZhZGlzIFJvb3QgQ0EgMSBHMzAeFw0xODA5MTgxODM1MzhaFw0y ODA5MTUxODM1MzhaMIGAMQswCQYDVQQGEwJERTeAMBGA1UEYQYwRVKfUREUy OTY4OTgzODIxLDAqBgNVBAoMI1F1b1ZhZGlzIFRyYXN0bGluayBEZXXV0c2NobGFu ZCBHbWJIMSwwCQYDVQDD5RdW9WYWRpcyBfdXJvcGUgQWR2Y2W5jZWQgQ0EgRzEw ggIiMA0GCsGqSIB3DQEBAQUAA4ICDWAwwgIKAoICAQCg1hKk0qgfdU+R7/9r53J Zm/YrEdlcrqsgXmCcept1L4RBMVasI6pvo0113bwr9gb+TaeWp0S/bhtgAeouE1I 05pTQRMy9BhekQIyiH5BmbMrfgnskYnQ95e8m/RcPuxuEfpJFY29B/bpUIPHv5yv B0rww2n3Xd//qb06Ff+0QTrsEicjXR6dy0hgnb6r9BM84/s1V4+JTcrQc9f5o2zrx RH8MKkuWaiX003Cb16snR6sAUCgY1M8AYLIX3+Uf9rgj0cfcFQQ5j+c/uMg7jaKI+ Xxe7PH28KufdgH1fqYo01qkZwVmSeiHhSzyZgppsCusnjMUhvNqkqILP+OWMwJtA IW3rYxX13xkRkdp4fFLDLSMFRiEmaOSP0kYjPcRRAbWJIMk9ecPv5zSgJ4qfzP NNiJ6g1TvhV79asSYBRELgVUQBbzdTlJuKbc7JlHJbEnQjz1tFzeZDI5w+dJ2KKO LEZuH7aaBC+j0A38iF39Ixl1ujRHpm5rZCGuxTuIFVFi//jZg5gpgHFFxphf skrLxqRkV6ABzS9wMfYrc2xK00Q47/PHS/7Nxr33E1HG5r9XvzM2042UyKQIF8f b7FbJxgyf92JE3zwpEKH4y/NDevm+YZcQjYCR+RYju0e38H31Z/BKfTgQ1Krfcki jXJ7p/YV+H88qGyiPqabkQIDAQABo4IBmzCCAzcwEgYDVROTAQH/BAgwBgEB/wIB ADAFBgNVHSMEGDAWgBSj19bzXqIQ4atFznwXZDzuAXCcDB0BggqRFEBFQCBAQR MGYwOAYIKwYBBQUHMAKGLGh0dHA6Ly90cnVzdC5xZW92YWRpc2dsb2JhbC5jb20v cXZyY2ExZmUy3J0MCoGCCsGAQUFBzABhh5odHRwOi8vb2Nzc5xdW92YWRpc2ds b2JhbC5jb20wSgYDVDR0gBEIwQDA+BgRVHSAAMDYwNAYIKwYBBQUHAEWKGh0dHA6 Ly93d3cucXVvdMfKaXNnbG9iYWwWuY29tL3JlcG9zaXRvcnkMwYDVRO1BcWwKgyI KwYBBQUHAWIGCCsGAQUFBwMEBgorBgEEAYI3CGMMBgggrBgEFBQCcDCTA7BgNVHR8E NDAYMDCGlqAshipodHRwOi8vY3JsLnF1b1ZhZGlzL2Z2xvYmFzLnMvS9xndjYtYF My5jcmwWHYDVRO0BBYEFNhp7fgCjS2ZwZB2v2+IRkvHYZmZjMA4GAlUdDwEB/wQE AwIBBjANBgkqhkiG9w0BAQsFAAOCAgEANEzb0yzzI/dj9Am65xt/owSmzKcZIRY 3tqxYiDu/1AJ5gagAcw40rs4TaeBjjIt6SfiaLIcTT3o2QcbwXUtzqz6M0JV6116M AQP+LXsYu5t3L6m6THrgcpOuqJvE0WoeZGcXdzK//7iJjDDAKhIATS2rjiXvNQ21 1L07zBvyRvLftkIeHPLQpZBI/RHkx3684+wngBstI2Tsa0nABuWtYEVIVZ2RztgSj UxxeHFW1lDXt17izBBs88I2r2Snl1iNNoThKrR8D90q9PgszcebyzFlbP3e7p5Ge tyNg3ARrnK/pP+/kjU85IBnZQXrWOGQSGwQ68ZSbFhJHJjUMXh2cN0EgIMr300F VNiK67hYVrmZAKFFx21rcxUIND1rQcWf4FypS/Rmtusnyjfx2kS0qtKj01zglXRM 4/ZgvyUzbjIg8bbAv5sXF6w127mcljpp4es04X53skaMiZRGDew3+1psa3EwQG9a GPYHKdgIptsdydAV7jaeJcmnsiWMWIVnzswKdZ7HrTat739Bh3QGrxPORTyfw3P1 VPH1uv9P9D7LvaZMwCiFojNPdtCvvgGO/KEM5pQ58hu6xEjuTzCGS7Ks20d5JU opXvaxpjLCRuiX2MBEi8PCM9cvjZH4M9L1XJ+CT0+sg+mb81zle1ky5j/R/H00Wmj DhtVPjvXY6o= -----END CERTIFICATE-----                     </pre>
<p>QuoVadis Root Certificate:</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>Zertifikats-Hierarchie:</b></p> <ul style="list-style-type: none"> <li> QuoVadis Root CA 1 G3</li> <li>▼  QuoVadis Europe Advanced CA G1</li> <li> 21X-DE-G-A0A0A-U</li> </ul> </div>	<pre> -----BEGIN CERTIFICATE----- MIIFyDCCA0igAwIBAgIUeFhFLq0sGUvjNwcl1NBMotZbUZzMwDQYJKoZIhvcNAQEL BQAwSDELMaKGA1UEBHMCMQk0xGTAXBGNVBAoTEFFf1b1ZhZGlzIEExpbW10ZWQxHjAc BgNVBAMTFVf1b1ZhZGlzIFJvb3QgQ0EgMSBHMzAeFw0xMjAxMTIxNDRAeFw0Mj MjAxMTIxNDRAeGxkZjBnVBAyTAKJNMRkwFwYDVQQKEwBRdW9WYWRpcyBfdXJvcGUg aWpldGvKMR4wHAYDVQDEExVrdW9WYWRpcyBsb290IENBIDExDEgRzXmWgJiMA0GCsG SIB3DQEBAQUAA4ICDWAwwgIKAoICAQCg1AQjyujyEC0BJyFuTHK3C3kEakEPBtV wedYMB0ktMPvhd6MLOHBPd+C5k+tR4ds7FtJwUrvu4/sh6x/gpG7D0DMVIB0jWe rNrwU8lMPNssAgHaJm7qAJGr6Qc4/hzWHA39g6QDbXwz8z6+cZM5cOGMAqNF341 68Xfuw6cwI2H44g4hWf6Pser4BOcBRIYz5P1sZK0/CPTz9XEJ0ngnjybCKOLXSOH 4Pw5q1PaF7PGglTvf0FBM+hSo+LdoInofjSxxR3W5A2B4GhPgb6U15jxaYA/qxP UhtStZi5cgMJYr2wYBZupt01wgNm3fME0UDItoUG9G/lg6AnhF4EwfWQvTA9x0+o abw4m6Sk1tFi2mnAAZauy8RRNOoMqv8hjlmPS1zkYZqn0ukqeI1RPT0V7qJZjqlc 3sx5kCLl1Eivx3ZGZbHqfPT2Yf72vhZooF6uCyP8Wg+qInYtYaeQHEtTRCOQjI/G KubX9ZqzWB4vMIkIG1SItZgj7Ah3HJVdYdHLiZxfokqRmu8hqkKwCki9Y5gxyXst hfbZxbGL0eUQmk1fiyA6PEkfm4VZDdvLCXVdAXP7a3F98N/ETH3Goy7I1XnLc6KO Tk0k+17kBL5y66YnLUlamXrXXAkgT3+UuU/xDRxeIEtEbEbnkduEBPrq34wGmAot zCjvpUfzUwIDAQABo0IwQDAPBgnVHRMBAf8EBTADAQH/MA4GAlUdDwEB/wQEAwIB BjAdBgNVHQ4EFQgUo5fW816iEOGrR288F2Q87gFwnMwDQYJKoZIhvcNAQELBQAD ggIBABj6W3X8PnrHX3fHyT/PX8MSxEbd1DKquGrX1RUVrpgjpeaQWxiZTOotQqOC MtaIzen7xASWSI5Bx40Bz1szBpZGZnQd+3Btrm0DWHMY37XlneM1hwqI2hrhVd2 cDMT/uFPp1N3GPOaj0i9ZcnpP/TJF9zrx7zABC4tRi9pZsMbj/7sPtPKL192ciUN qXsCHKnQ018LWIE6PWthv6ctTr1NxpNpxiIY0MwscgKCP6o6joilzHdCGPDDrS5 YcgtW2jgFqlmginR9etT2DGbe+m3nUvriBbP+V04ikkwj+3x6xn0dxoxGEl1nVgW b2X52z3sIexe9PSLYmB1VNFxZPT5pqQBMzYzcfCkeF9OrYmH3jRjJehZrJ3ydl02 8hP0r+AJx2EqbPfgna67hkooby7utHnNkDPDs3b69fBsnQQG+p6Q9pxy20fawx/k NSBT81Tr32GdpgLiJTjehTItXnOQU1LcxM49s+H5GYQd1aQdVEH7QRTDvdbJWqNj ZgKAVQU600ec7AAmTPWIUb+oI38YB7AL7YsmoWTTYUrrXJ/es69nA7mf3W1daWhp q1467HxpvMc7hU6eFbm0FU/DlXpY181s6WY58y1jYXrQs8C097Vp14K1bQMJGImYft nh8GKjwStsPm6Ik8Ka1nrgS7ZklmOVhMJKzRwuJiczYOXD -----END CERTIFICATE-----                     </pre>



## E-Mail/SMTP Connection Sheet

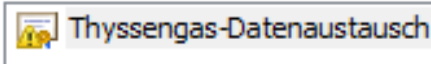
Partner name	<b>Thyssengas GmbH</b>
Market Partner-ID	<b>9870009600007 RTGTSO 21X-DE-G-A0A0A-U</b>

E-Mail Adress 1:1 Kommunikation:

**gasdata@thyssengas.com**

Thyssengas Public Certificate File:  
in use from April 3<sup>th</sup>, 2019 10:00 hrs CET

Zertifizierungspfad



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-----BEGIN CERTIFICATE-----
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-----END CERTIFICATE-----
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