

## Explosion-protected gearmotors

Explosion-protected gearmotors are used in many industries in the United Arab Emirates (UAE), especially in those with potentially explosive atmospheres.



### Chemical industry

Our explosion-protected gearmotors ensure a reliable performance even in environments with hazardous chemicals, which makes them ideal for use in the chemical industry.



### Mining

In the challenging conditions of the mining industry, our explosion-protected gearmotors offer a safe and robust solution for the reliable operation of machines and plants.



### Oil and gas industry

With our certified technology, we support safety and efficiency in the oil and gas industry where potentially explosive atmospheres pose a particular challenge.

## Upgrade now

Would you like to use explosion-protected AC motors in your systems, too? Then contact us directly by sending an e-mail to [marketing@sew-eurodrive.de](mailto:marketing@sew-eurodrive.de).

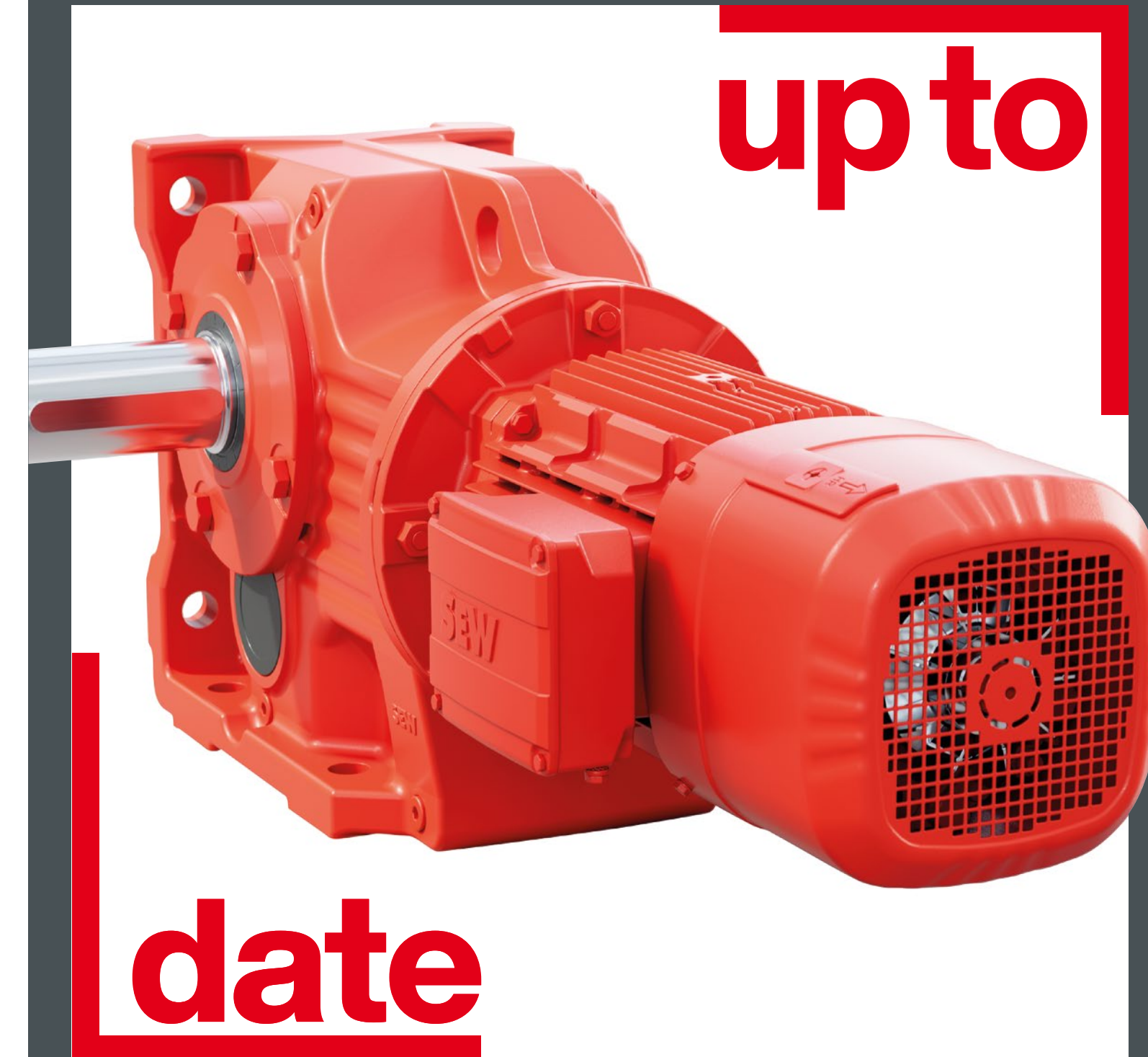
Further information on explosion protection and the EDRN.. motors is available here:

**Explosion protection**  
**Explosion-protected motors**

# Safe in demanding environments, including in Saudi Arabia

Explosion-protected AC motors  
**EDRN../3.. motors and gearmotors**

→ 3/2024



**SEW-EURODRIVE GmbH & Co KG**  
Ernst-Blickle-Str. 42  
76646 Bruchsal/Germany  
T +49 7251 75-0  
F +49 7251 75-1970  
[sew@sew-eurodrive.com](mailto:sew@sew-eurodrive.com)  
[www.sew-eurodrive.com](http://www.sew-eurodrive.com)

## Service worldwide

The extensive SEW-EURODRIVE network is at your service. We offer professional advice, deliver motors, gear units, and spare parts on time, and provide reliable maintenance – no matter where in the world our systems are in operation.



# Explosion-protected drives

## Drive technology is certified in accordance with international and regional standards

Combustible gases or dust particles in the air can increase the risk of explosions. For this reason, the electrical equipment in such environments must conform to strict safety standards. We at SEW-EURODRIVE take this very seriously and ensure that our systems operate safely anywhere in the world.

In addition to the designs for gas in zone 1 and 2 and dust in zone 21 and 22 for Europe (ATEX) which have proven themselves globally, we now offer the following certification for motors in Saudi Arabia:

Gearmotors	Country	Certification
EDRN../3.. motors and gearmotors	European Union and countries that recognize ATEX	ATEX
	Countries that recognize IECEx	IECEx
	People's Republic of China	HazLoc-NA®
	South Korea	KOSHA
	Brazil	INMETRO
	Eurasian Customs Union	EACEx
	Ukraine	UA.TR
	India (CCoE)	PESO
	United Kingdom (UKCA)	UKEX
	<b>Saudi Arabia</b>	<b>ECAS-Ex</b>

With these certifications, we ensure that our products conform to the highest international safety standards and can be operated reliably anywhere in the world.

## Now certified for use in the United Arab Emirates

The SEW-EURODRIVE motors and gearmotors of the EDRN63 – 315../3.. types are now certified in accordance with the ECAS-Ex regulations for the United Arab Emirates (UAE). ECAS-EX is short for “Emirates Conformity Assessment Scheme – Explosive Atmospheres”. Of course, our systems also conform to the internationally valid IECEx regulations for explosion protection.

## Available motor design

3G-c, 3D-c, or 3GD-c

Explosion-protected motor in accordance with IECEx with Ex ec and Ex tc

Gear unit with optional Ex h

The UAE ECAS-Ex regulation is selected in addition to the international IECEx regulation. The gear unit is then either operated as standard or conforms to the requirements of the ATEX directive.

All SEW-EURODRIVE motors of the EDRN../3.. type in sizes 63 to 315 are certified. There are no restrictions regarding the options.

## → Safety in all atmospheres

Suitable in explosive atmosphere – Mixture of air and combustible gases, vapors, or mists, or a cloud of combustible dust in the air

## → Now available in Arabic

Operating instructions for the international Ex design specification IECEx now also available in Arabic

## → Seamless integration

Integrated into MOVITOOLS® MotionStudio and MOVISUITE® as usual

