



CoolNews

*Quarterly periodical for the European contractors society working in the Refrigeration,
Air-Conditioning and Heat pump sector*

Issue 2018/01 – 31st March 2018



Focus on Spain

In the first of a series of interviews, AREA gives the floor to its Spanish members



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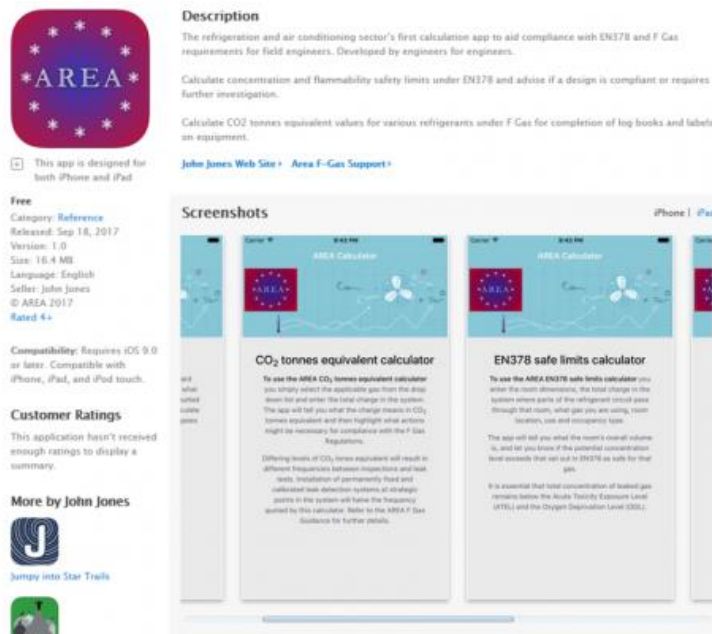
AREA AFFAIRS

AREA app now available in 14 languages!

AREA has developed the refrigeration and air conditioning sector's first calculation app to aid compliance with EN378 and F Gas requirements for field engineers. Developed by engineers for engineers. Originally published in English, the app has been updated and - thanks to the outstanding work of AREA members - it is now available in 14 languages:

Croatian, Czech, Dutch, English, French, German, Italian, Norwegian, Polish, Portuguese, Slovakian, Spanish, Swedish and Turkish.

This app is free and is available for [IOS](#) and [Android](#).



Description
The refrigeration and air conditioning sector's first calculation app to aid compliance with EN378 and F Gas requirements for field engineers. Developed by engineers for engineers.

Calculate concentration and flammability safety limits under EN378 and advise if a design is compliant or requires further investigation.

Calculate CO2 tonnes equivalent values for various refrigerants under F Gas for completion of log books and labels on equipment.

[John Jones Web Site](#) • [Area F-Gas Support](#)

Free
Category: Reference
Released: Sep 18, 2017
Version: 1.0
Size: 16.4 MB
Language: English
Seller: John Jones
© AREA 2017
Rated 4+

Compatibility: Requires iOS 9.0 or later. Compatible with iPhone, iPad, and iPod touch.

Customer Ratings
This application hasn't received enough ratings to display a summary.

More by John Jones

Screenshots

CO₂ tonnes equivalent calculator
To use the AREA CO₂ tonnes equivalent calculator you simply select the applicable gas from the drop down list and enter the total charge in the system. The app will tell you what the charge means in CO₂ tonnes equivalent and then highlight what actions might be necessary for compliance with the F Gas Regulations.
Different levels of CO₂ tonnes equivalent will result in different frequencies between inspections and leak tests. Installation of permanently fixed and calibrated leak detection systems at strategic points in the system will have the frequency lowered by this calculator. Refer to the AREA F Gas Guidance for further details.

EN378 safe limits calculator
To use the AREA EN378 safe limits calculator you enter the room dimensions, the total charge in the system across parts of the refrigerant circuit area through that room, what gas you are using, room location, use and occupancy type.
The app will tell you what the room's overall volume is, and tell you if the potential concentration level exceeds that set out in EN378 as safe for that gas.
It is essential that total concentration of flammable gas remains below the Acute Toxicity Exposure Level (ATEL) and the Oxygen Distribution Level (ODL).

Meet AREA members - Spain

- 1- Introduce your organisation (creation, number and type of companies, segments, turnover, employees, management, main goals...)

CNI: The Spanish Confederation of Installers and Maintenance (C N I), was founded in 1978. Its members are provincial associations of contractors all over Spain, whose members work in building installations (design, install, service, maintain, repair), mainly HVACR, but also in others such as plumbing, electricity or fire protection. Our associations have a total of 6,100 members, most of them are companies and there are several self-employed workers too. C N I has got 2 employees full time and 2 part time self-employed collaborators. Apart of that, C N I count on a 13 members Technical Committee who works in the different areas their respective expertise, representing C N I in official and professional working committees, lobby meetings, conferences, etc.

The confederation is managed by a 14-member board of directors that meets 4 times a year, a general Assembly meeting once a year and a management office with 1 director and 3 persons (2 full time and 2 part-time)

AEFYT: AEFYT is constituted as such in February 2011, as a successor to ANEFRYC constituted in 1976 and replaced by AFEYT in 2011 (ANEFRYC was the oldest association of the Frio sector in Spain).

AEFYT is an Association of companies whose activity is the installation, distribution and manufacture of refrigeration and air conditioning installations and equipment. The Statutes also admit as associates to Provincial Associations of Installers Companies. Therefore, it is, in practice, a Federation.

It has more than 300 associated companies, of which 75% are Installers (small, medium and large) specialized in Refrigeration and Air Conditioning. Of these, 170 companies are direct partners (60% Refrigeration Installers) and 133 indirectly through the provincial associates AVICLIMA and ACIMCLIMA.

The rest of the associated companies include: Manufacturers and distributors of refrigeration equipment and materials (compressors, pumps, fans, evaporators, condensers, exchangers, water recovery towers, automation, valves, pipes, refrigerants, refrigerant fluids, lubricants, elements of safety, leak detectors, insulation, drive motors, electrical panels, etc.)

In total, they provide more than 9,000 direct jobs.

AEFYT Belongs to the Confederation of Business Organizations (CEOE) through CONFEMETAL ...

2- What are the main objectives / purposes of your organisation?

CNI:

- Co-operate with the Spanish Environment, Industry and Building **ministries and other institutional organisms** in the always more complex legislation of our professional activity providing independent information, reports and proposals not influenced by manufacturers.
- Reinforce the role of the professional installer to advice **users** on the right solution to suit their requirements in terms of energy efficiency, saving energy and best performance.
- Foster international and national cooperation with **other associations** sharing information, promoting best practices and working together in different projects.
- Work to get the best quality professional **training programs** to foster high standard qualification for the installers
-

AEFYT:

- Defend the interests of associated companies
- Represent them before the local, regional, national and European administrations (is a partner of AREA and EUROVENT)
- Collaborate with the Administrations in the elaboration of Norms and regulations regulating the activity of the Cold and Climate Sector in Spain. It is the Rapporteur of the Safety Regulations for Refrigeration Installations since its first edition, code that governs the execution, repair and conservation of refrigeration facilities in Spain. It proposes and submits to the Ministry of Industry, with its consent, the deletion of the draft of the aforementioned Regulation as well as the Interpretive Guide thereof. It advises the Ministries of Industry, Environment, Agriculture, Education and Labor in matters of industrial safety, environmental (Fgas, RAEEs, etc.), food and formal and occupational training. It is a member of AENOR and

leads the Secretariat of the UNE / CTN Committee 86 "COLD" and translates into Spanish the rules that depend on it

- To promote continuous professional training; It teaches specialization courses in the field of Cold
- To promote and disseminate new technologies in the field of Refrigeration. It organizes Technical Seminar on technological novelties in cooling d matter. Informative Days regarding legislative novelties affecting the Sector and elaborates and spreads own informative notes or of solvent international entities (IIF, IOR, AREA, EUROVENT, etc.) on subjects of interest for the collective. It participated as a special collaborator in the celebration of the TECNOFRIO 16 and TECNOFRIO 17 Congresses. It publishes guides of good practice on different matters of interest for the Sector
- Promote exhibitions: It is part of the Organizing Committee of CLIMATIZACIÓN&REFRIGERACIÓN, occupying the Vice Presidency thereof and leading the Pavilion dedicated to Refrigeration. It organizes and coordinates the Refrigeration Workshop that takes place during the event.
- Be the reference in the Cooling Sector: To get a high visualization in the Sector has an intense activity, not only through its website (www.aefyt.es), but also through social networks: LinkedIn, corporate blog, evaporative tower blog and evaporative cooling, twitter, etc ...

3- What are the main challenges/opportunities for your members in the years to come?

CNI:

- Adapt their business structure to the new technological requirements, business formats and more complex work techniques.
- Find good qualified technicians with the right training for new systems and technical applications.
- Invest to adapt their work both technically and administratively to the increasing environmental and control of emissions to the atmosphere regulation as well as energy efficiency legislation.

AEFYT: To promote that the Spanish refrigeration companies adapt their professional practice to the new and changing environmental legislation in relation to the greenhouse refrigerant emissions of the refrigeration facilities and their eco-efficiency.

It will be necessary to promote the application of safer, more efficient, more competitive alternative technologies.

4- Why are you a member of AREA

CNI: We consider it a priority to work together with other European associations of our professional sector to achieve our objectives, taking into account that national legislation is a reflection of European legislation. The more we are, the stronger our position is to achieve our common objectives

AEFYT: AEFYT is the successor of ANEFRYC, the 1st Spanish entity associated with AREA for many years (from 1991 to 2011). In 2002 it organized in Barcelona the General Assembly of AREA, with great success of presence and participation. In addition, it actively participated in the development of the "Mechanical Refrigeration Project" of the European Leonardo da Vinci program.

The group has always wanted to support and collaborate with European colleagues in all activities that are considered appropriate for the development and optimal professional practice of refrigeration companies.

SZ CHKT has a new address

SZ CHKT - Slovak Association for Cooling and Air Conditioning Technology

Bratislavská 81/37

931 01 Šamorín

Slovak Republic

Phone: +421 31 550 1674 / +421 31 550 1748

E-mail: szchkt@szchkt.org

Website: www.szchkt.org

REFRIGERATION, AIR-CONDITIONING & HEAT PUMP NEWS

LEGISLATION

Fgas – latest updates

AREA President Per Jonasson took part in the Fgas Consultation Forum that was held on 6th March 2018 in Brussels. You will see annexed a summary of the comments made by our President. AREA's efforts and initiatives were mentioned several times and welcomed by participants and the European Commission.



Mr. Buoni also took part and presented the REAL Alternatives 4 LIFE project in the context of discussions on information on training of personnel for the safe handling of alternative refrigerants. It was acknowledged as playing an important role to ensure the refrigeration, air conditioning and heat pump contractors have the necessary level of knowledge to safely handle alternatives to HFCs.



All the presentations and working documents are available at https://ec.europa.eu/clima/events/articles/0106_en

On 7th March, AREA Secretary General attended a workshop on “F-GAS REGULATION SHAKING UP THE INDUSTRY IN EUROPE”. Held at the European Parliament and co-hosted by Bas Eickhout (former rapporteur on the Fgas Regulation) and Jo Leinen (former shadow rapporteur on the Fgas Regulation), the event was co-organised by Shecco and 3M.

The first session was dedicated to the Regulation in general and provided an opportunity for Shecco and like-minded stakeholders (among which EIA) to call on for more bans in the next Fgas Regulation, notably to address those medium GWO fgases they called “transitional”.

Interestingly, the leaflet on R404A and R507A was mentioned as a good practice.



FETA warns against bad practices with R410A and R32

FETA has been informed of bad practices consisting in removing R410A (classified as A1; non-flammable) from an air-conditioning system and recharging the system with R32 (classified as A2L; low flammability). Given the differences in properties of these two refrigerants, this is a cause for some concern for several reasons, which FETA has explained in a [statement](#). In summary, it is not good practice to charge a system with a refrigerant that the system was not originally designed to use without appropriate assessment of the differences in characteristics of the replacement gas.

Energy Performance of Buildings Directive

The Council and the Parliament reached an agreement on 19 December, the text of the agreement will be endorsed at the April Plenary Session of the Parliament and afterwards by the Council. It is expected to be published in the Official Journal during the summer. The text will enter into force 20 days after publication, with a 20-month transposition period into national legislation.

The Commission is already working on developing different tools for the implementation of the agreement. Since February 2017 the Commission has been working on developing one of the new provisions, the **Smart Readiness Indicator**. This indicator will be implemented through a delegated act, and it will be voluntary for Member States to implement it. A consortium is currently developing the indicator and is expected to finalise it by June 2018. The indicator takes into account multiple services within different domains (such as heating and cooling), which will measure a building's adaptability to the occupants needs and will classify them through an A-G scale.

An important component of the EPBD are the **long-term renovation strategies** for buildings. In order to assist Member States to develop these plans, the Commission has appointed a consortium to update the **EU Building Stock Observatory** (see [here](#)). This is an online database containing information on the different Energy Performance Certificates in Member States, technical heating and ventilation systems, energy efficiency, building codes and standards, financing for the renovation of stock, etc. The consortium will soon start collecting data, and the final project should be available by 2020. The purpose is to address the lack of reliable and consistent data in Europe.

Energy Efficiency Directive

The second meeting of trilogue negotiations was held on 20 March. During this meeting, the Council and the Parliament agreed on provisions for metering, information and billing systems. There was also an agreement on the financing for energy efficiency.

The specific binding targets and energy savings obligations under article 7 will be discussed at the next meeting on 16 May. The Council's position is not uniform on this issue as the Bulgarian Presidency will likely support a 30% non-binding target, and a group of Member States support a 30% binding target. The Parliament supports a 35% binding target.

The Council will hold an informal meeting on 19 April to discuss the ongoing energy files currently in the trilogue discussions, and it is expected that an agreement may be announced in the Energy Council meeting in June.

Renewable Energy Directive

After approving the report by MEP José Blanco-Lopez in January, trilogue negotiations started on 27 February for the Renewable Energy Directive. The Council is maintaining the 27% renewable energy target, as opposed to the 35% binding target for the share of renewable energy by 2030 that is supported by the EP.

After starting trilogue negotiations, the European Commission released a non-paper (not-official), updating the analysis presented in November 2016 with the release of the Clean Energy Package. This analysis presents updated policy scenarios, taking into account updates on the lower costs of renewable energy technologies. The paper makes the case that a 30% of renewable energy or higher is economically viable. This non-paper does not change the Commission proposal, but it will be used to further guide the discussions.

In addition, both institutions support the mainstreaming of renewables in heating and cooling, but they diverge on the level of ambition. The Parliament supports an annual 2% increase of the share of renewable energy in heating and cooling, as opposed to the Council that supports an annual 1% increase.

PROJECTS

REAL Alternatives for LIFE - update



On 6 March 2018, Marco Buoni [presented the REAL Alternatives 4 LIFE project](#) on the occasion of the Fgas Consultation Forum held in Brussels. Established by the Fgas Regulation, the Fgas Consultation Forum brings together the European Commission, Member States and stakeholders to discuss important aspects related to the application of the Regulation.

The REAL Alternatives 4 LIFE project was presented in the context of discussions on information on training of personnel for the safe handling of alternative refrigerants. It was acknowledged as playing an important role to ensure the refrigeration, air conditioning and heat pump contractors have the necessary level of knowledge to safely handle alternatives to HFCs, which are developing as a result of the Fgas phase-down.

PUBLICATIONS



Joint industry brochure explaining to RACHP contractors why they need to stop installing R-404A and R-507A and what alternatives are available.

Available in EN, FR, DE, IT, ES, CZ, PL

Check <http://area-eur.be/news/stop-installing-r-404a-r-507a>



The AREA Vice-President of International Affairs, Marco Buoni, had the opportunity of [interviewing](#) the President of [ASHRAE](#), Bjarne Wilkens Olesen, during the last ASHRAE Winter Meeting and AHR Expo. Professor Olesen, from Denmark, is the first non-native English-speaking President and only the second who is not from North America.

CHILLVENTA

Discover potential for the
successes of tomorrow

Nuremberg
16 – 18.10.2018



**This newsletter is reserved to AREA
members**

For any enquiry, please contact

AREA

Olivier Janin

Diamant Building (5th floor)

Bd. A. Reyers 80

B-1030 Brussels (Belgium)

Tel: +32 2 706 82 61

Email: info@area-eur.be

www.area-eur.be