



CoolNews

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

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This app is designed for both iPhone and iPad

Free

Category: Reference
Released: Sep 18, 2017
Version: 1.0
Size: 16.4 MB
Language: English
Seller: John Jones
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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



Description

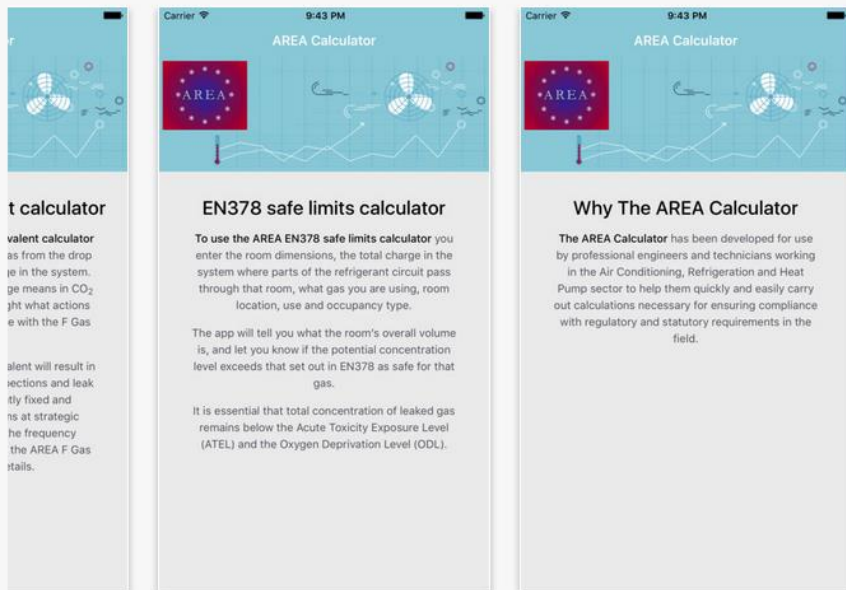
The refrigeration and air conditioning sector's first calculation app to aid compliance with EN378 and F Gas requirements for field engineers. Developed by engineers for engineers.

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

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Screenshots

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AREA launches its app

AREA has developed the first calculation app to aid compliance with EN378 and F Gas requirements for field engineers

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AREA AFFAIRS

AREA calculation app for Fgas and EN378

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.

The app enables you to calculate concentration and flammability safety limits under EN378 and advise if a design is compliant or requires further investigation. The app also enables to calculate CO2 tonnes equivalent values for various refrigerants under F Gas for completion of log books and labels on equipment.

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

AREA meets TRA in bangkok

By Marco Buoni

The 2017 edition of the Bangkok refrigeration, heating, ventilation and air-conditioning fair took place a few weeks ago and focused on eco innovation for a sustainable future. It is one of the most important trade fairs in the world (the second one in Asia) in the RAC sector. Thailand is one of the world's largest manufacturers of air conditioners and its components; according to Thai customs, since the beginning of the year until the end of June, exports of this product category reached 44 billion Thai Baht (1,3 billion dollars).

Our Vice-President International Affairs Marco Buoni attended and had the honor of meeting, (left to right) current President Mr. Komsan Sripavatakul of the Thailand Refrigeration Association (TRA), previous President Netitham Puyakul and one of the founders of TRA Kriangkrai Tonghnu. TRA is, since 2017, AREA member International Observer.

The Thailand Refrigeration Association is delighted and satisfied in being part of AREA, and expressed interest in the progress that has been made in Europe during the past decade about Fgas reduction, containment, training and certification. TRA is keen to walk the same path as leader in the south-east Asia market, which is constantly growing. TRA moreover showed interest in the Real Alternatives free e-learning platform, possibly also in the translation into Thai language.



AREA to sponsor European competitors at WorldSkills

The next WorldSkills competition will take place in just a few weeks in Abu Dhabi. AREA will promote the event, as well as the European competitors and experts. AREA will thus grant a €250 sponsorship to each European competitor.

AREA & Chillventa deepen their collaboration

AREA and Chillventa have signed a new partnership agreement that further strengthens their cooperation. AREA is a longstanding supporter of Chillventa. AREA management, secretariat and members regularly attend Chillventa since the first edition of the exhibition and AREA is present on the booth of one of its German members, BIV. Moreover, AREA has also timed its autumn general assembly meeting with the exhibition.

The new partnership agreement encompasses both Chillventa and the European Heat Pump Summit. It runs over 2017 and 2018 and will be renewed after the next Chillventa.

AREA President Per Jonasson said: *“AREA is delighted to strengthen its collaboration with NürnbergMesse who will be able to make the most of the large network provided by our 25 national associations in 22 countries.”*

“We have maintained very good and close contact for many years now.” says Daniela Heinkel, Director Chillventa, NürnbergMesse. *“But there’s more to it than just an outstanding business relationship and areas of common interest: there’s the international aspect, too. AREA, for instance, with more than 13,000 companies from 22 countries specialising in cooling, air-conditioning, ventilation and heat pumps; the global NürnbergMesse Group with its international leading exhibition Chillventa – the trade fair for refrigeration, air-conditioning, ventilation and heat pumps; and the European Heat Pump Summit. The newly signed cooperation agreement provides further powerful confirmation of our mutual commitment. We are very pleased to take our good collaborative relationship with AREA to a new level.*

REFRIGERATION, AIR-CONDITIONING & HEAT PUMP NEWS

LEGISLATION

EPBD revision

629 amendments have been tabled by members of the ITRE Committee on the EPBD. In preparation for the vote, AREA has provided the rapporteur and the shadow rapporteurs a joint opinion (together with GCP Europe) on the proposed amendments related to periodic inspections. AREA and GCP Europe insisted on the necessity of mandatory inspections which are essential to ensure the efficient functioning of the system and the fact that there is no mutual exclusivity between periodic inspections and the presence of building automation and control systems. In addition, AREA and GCP Europe expressed concerns over the enormous increase of the thresholds under which no periodic inspection is necessary. The practical exclusion of many heating and air-conditioning systems from inspections

resulting from these high thresholds will inevitably lead to a negative impact on their energy efficiency and general performance.

Despite these efforts, it looks like periodic inspections will be substantially weakened. The ITRE Committee is likely to decrease the threshold for residential buildings (but not for non-residential). However, building automation and control systems are clearly favoured and considered as to replace periodic inspections in the medium term.

The [ENVI Committee EPBD opinion](#) of Rapporteur Jäätteenmäki (ALDE) was adopted by 53 votes in favour, non against and 6 abstentions on 7 September 2017. The thresholds for inspections of heating and air-conditioning systems are not modified and an alternative to inspections is introduced in the form of “measures to ensure that adequate advice is given” (similar to what the Council’s general approach suggests).

AREA also co-signed a [joint industry statement](#) calling on the European Parliament to take the opportunity offered by the revision to strengthen the indoor environment quality, and notably the air quality. On this matter, AREA is likely to be heard, since it looks as though provisions on management of air quality and on ventilation will be integrated.

The ITRE Committee is due to vote on 11th October. Rapporteur Bendtsen should get the authorisation to immediately start trialogue negotiations with the Council. These negotiations would then start before the end of the year.

Energy Efficiency Directive

694 amendments, including the first 82 amendments constituting MEP Gierek’s draft report, have been tabled on the revision of the EED. Members of the ITRE Committee discussed these amendments on 4 September. A lot of amendments concern article 9 on heating and cooling and the energy poverty issue. The nature (binding or indicative) as well as the level (30, 35, 40%?) of the target was one of the main points discussed. Vote in the ITRE Committee is scheduled for 28 November.

The ENVI Committee adopted [the opinion on the EED review](#) of Jytte Guteland on 7 September 2017 by 32 votes in favour, 12 against and 12 abstentions. Members of the ENVI Committee voted for an EU 40% binding target as well as binding targets at national level and for a strong article 7.

Finally, the European Commission published a new study on [The macro-level and sectoral impacts of Energy Efficiency policies](#). It shows that enhanced energy efficiency in Europe beyond a 27% target for 2030 could led to substantial social, economic and environmental effects.

Renewable Energy Directive

1300 amendments, including the first 92 amendments constituting MEP Blanco-Lopez’s draft report, have been submitted by the Members of the Committee on Industry, Research and Energy on the review of the Renewable Energy Sources directive.

Members of the ITRE Committee debated these amendments on 4 September. According to the rapporteur, a broad majority of MEPs point out the lack of ambition of the proposal. The ITRE Committee has delayed the adoption of its report, now due on 28 November.

Mechthild Wörsdörfer (EC, DG ENER) announced that the EC is updating the impact assessment as it is based on cost assumptions for renewables which reflect the cost assumptions of 2014. They will run new scenarios taking into consideration the lower cost of wind and solar energy. So to reach the target of at least 27% will certainly become cheaper and once the EC has final results they can look what is the implication on the ambition of the target if both EP and Council would agree to go that direction.

A new report by Ecofys on [“National benchmarks for a more ambitious EU 2030 renewables target”](#) is available. This paper shows that the currently proposed 2030 EU target of 27% for renewables could drastically slow down current levels of renewables expansion in the EU-28. Moreover, an increase in the EU energy efficiency target from 30% to 40% would help to achieve any EU target for renewable energy (RES) more easily as the aggregated RES deployment needed for any RES target would be reduced by nearly 15%.

Ecodesign regulation on large air-conditioning products

As a reminder, the Ecodesign Regulation 2016/2281 for air heating products, air-conditioners (>12kW), high temperature process chillers and fan coil units was published in December 2016.

The harmonised standards providing presumption of conformity with this Regulation have not been published yet. Meanwhile, the European Commission published transitional measurement methods ([2017/C229/01](#)) in the Official Journal to enable the implementation of this Regulation. There have been a few changes compared to the previous draft: The standard reference for comfort chillers, air conditioners and heat pumps using internal combustion is now EN16905.

In parallel, the European Commission is working on a ‘FAQ document’ for air heating products, cooling products and high temperature process chillers. This document summarises the most relevant information and answers the most common questions, notably regarding products falling in or out the scope. The final draft has been circulated to stakeholders for comments by the end of October. This document has been circulated to the AREA TF Energy and is available upon request to the Secretariat.

Review of Ecodesign and energy labelling measures on space heating boilers and combination heaters

The European Commission has launched the review of the Ecodesign (813/2013) and energy labelling (811/2013) measures on space heating boilers and combination heaters. The study is carried out by VHK together with BRG Building Solutions for market data and Viegand Maagøe (see study website [here](#)). The review study is expected to deliver results in early 2019.

On a general basis, the study will assess the resource efficiency aspects, most likely disassembly, recyclability, reparability and durability. It is also assessing the appropriateness of maintaining the third-party certification. As regards the Ecodesign measure, the study focuses on the need to set new or stricter requirements for:

- gas emissions related to refrigerants, emissions of carbon monoxide, hydrocarbons and particulate matter;
- energy efficiency;
- sound power level;
- and emissions of nitrogen oxides.

Possible Ecodesign and energy labelling for refrigerated containers

As a reminder, refrigerated containers have been identified as a priority product in the [Ecodesign Working Plan 2016-2019](#). As a follow-up, the European Commission will launch a preparatory study to assess possible energy and resource efficiency improvements as well as policy options in the first quarter of 2018.

Ecodesign & energy labelling for smart appliances

The first phase of the preparatory study aiming to broadly introduce smart appliances is finished. It analysed the technical, economic, environmental, market and societal aspects. This study identified products offering a high flexibility potential with few comfort and/or performance impacts, including residential and non-residential air conditioners.

The second phase of the study focuses on the identification policy options for energy smart appliances. Some options have been eliminated, including self-regulation, voluntary labelling and mandatory technical requirements. Instead, a mandatory labelling seems to be the preferred instrument: a specific icon could be applied if the product complies with technical requirements. Further information is available in the presentations (see [here](#)) given at the stakeholder meeting in September 2017. The conclusions of this second phase will be published by the end of the year.

Review of the Energy Labelling Directive

The revised energy labelling framework (Regulation [2017/1369/EU](#)) was published in the Official Journal of the EU on 28 July 2017: it applies from 1 August 2017.

As a reminder, the energy label provides information on the consumption of energy and other resources by energy-related products during the use phase. This legislation is part of the Circular Economy policy, which aims to provide better information to consumers, thus enabling informed choices at purchase.

The review of the energy label mainly aimed to revert back to a simpler tool: the “A to G” energy label scale that is well understood by consumers. Consequently, the revised framework Regulation includes a rescaling mechanism for existing labels, but also future labels.

As regards cooling equipment, new labels will be developed within 6 years: new labels will be introduced on the market by 2024 / 2025. Per the new provisions, suppliers must provide to the dealer both the current and the rescaled labels 4 months before the rescaled label must be displayed. For products placed on the market before this 4-month period, rescaled labels should be provided upon request. Then, the dealer must affix rescaled labels on displayed products, both in shops and online, within 14 working days. One should note that rescaled labels cannot be displayed before the date specified in the product specific measure.

PROJECTS

REAL Alternatives for LIFE - update



AREA and the IIR have put together a Dissemination Plan. The Dissemination Plan's purpose is to formalise all dissemination actions planned for the project, to provide guidelines on the approach and to set out the key dates associated with planned events. The overall purpose of the dissemination plan is to ensure that information is shared with appropriate audiences on a timely basis and using the most effective means.

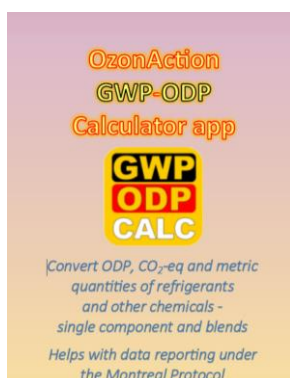
The document includes a number of actions and activities that will ensure maximal dissemination of the results. It contains a description of all the dissemination activities planned over the course of the project and that have already taken place. It will be a living document, regularly updated by the IIR and AREA throughout the project. As such, an excel spreadsheet will be provided to all partners in order to record various dissemination actions undertaken such as attendance and participation at conferences, meetings, workshops, exhibitions, dedicated trainings and so forth. In addition, articles published in newsletters, journals, newspapers and magazines will be recorded in the same spreadsheet.

Moreover, a survey towards stakeholders has been put together with the aim of gathering input on experiences from various stakeholders with regard to alternative refrigerants. Contractors feature among these stakeholders.

<https://www.surveymonkey.co.uk/r/RealAlternative-LIFE>

We would be most grateful if you could circulate this survey among your members and encourage them to fill it in. This survey is indeed an important element for the future development of the project.

PUBLICATIONS



OzonAction GWP-ODP calculator





The European Commission has issued [reports](#) on assessment of the environmental performance of buildings. Air-conditioning is notably mentioned in the Global Warming Potential of a building and noise emission.

This is part of EU project called 'Level(s)': a voluntary reporting framework to improve the sustainability of buildings. It provides a common EU approach to the assessment of environmental performance in the built environment.

EVENTS

ATMOsphere 2018



AREA Vice-President International Affairs Marco Buoni spoke at the ATMOsphere 2018 in Berlin. Mr. Buoni presented the REAL Alternatives 4 LIFE Project in which AREA is involved as a member in charge of communication and dissemination together with the IIR.

More information about ATMOsphere is available at <http://www.atmo.org/events.details.php?eventid=55>

12th Sustainability Summit India



AREA Vice-President International Affairs Marco Buoni took part in the 12th Sustainability Summit: 2030 Agenda - Driving Inclusive Growth that took place on 6-7 September 2017 in New Delhi. During the session dedicated to *Green Cooling and Sustainable Refrigeration* Mr. Buoni gave a presentation on "[Increasing competence in RAC for energy savings, safety and the environment: Real Alternatives](#)", thus introducing AREA's work in the REAL Alternatives for LIFE project.

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TODAY'S AGENDA: THE FUTURE – CONGRESS AND FOYER-EXPO

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NÜRNBERG MESSE



**1st IIR International
Conference
on the Application
of HFO Refrigerants**

Birmingham

2nd – 5th September

2018

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