

remote integrated **control system**  
远程控制系统



记录，监控，远程终端。现代商业的核心概念。

基于一切只为客户所想这个信念，意大利EVC0美控集团推出  
新一代RICS超级控制软件，为我们的用户解决新的挑战提供策略。



## **Recording, monitoring, telemaintenance. Basical concepts for modern business.**

For this reason **EVCO** presents  
his **RICS** supervision system  
in a renewed and revised version,  
that will help the Customer  
to satisfy all international rules  
about plants and installations  
monitoring.



# 超级管理

RICS是EVCO产品的核心和灵魂，它提供给客户最先进最高端的群控连接方案和最安全卫生最方便的生活体验。因为它是一个HACCP系统。（危险分析和精确控制点系统）

**With RICS**, EVCO offers all the advantages coming from the instruments network connection and also a solution for the latest international standards for the hygienic-sanitary prevention system HACCP (Hazard Analysis and Critical Control Points).

RICS可以做到：

- 实时数据显示管理
- 简单方便实时更改仪表参数
- 方便高效处理仪表数据
- 提供多种方式输出数据，形象生动
- 通过手机，传真，网络，电子邮件等现代化方式让你时刻掌握数据动向
- 权限等级限制让数据运行更安全，方便

**With RICS you can:**

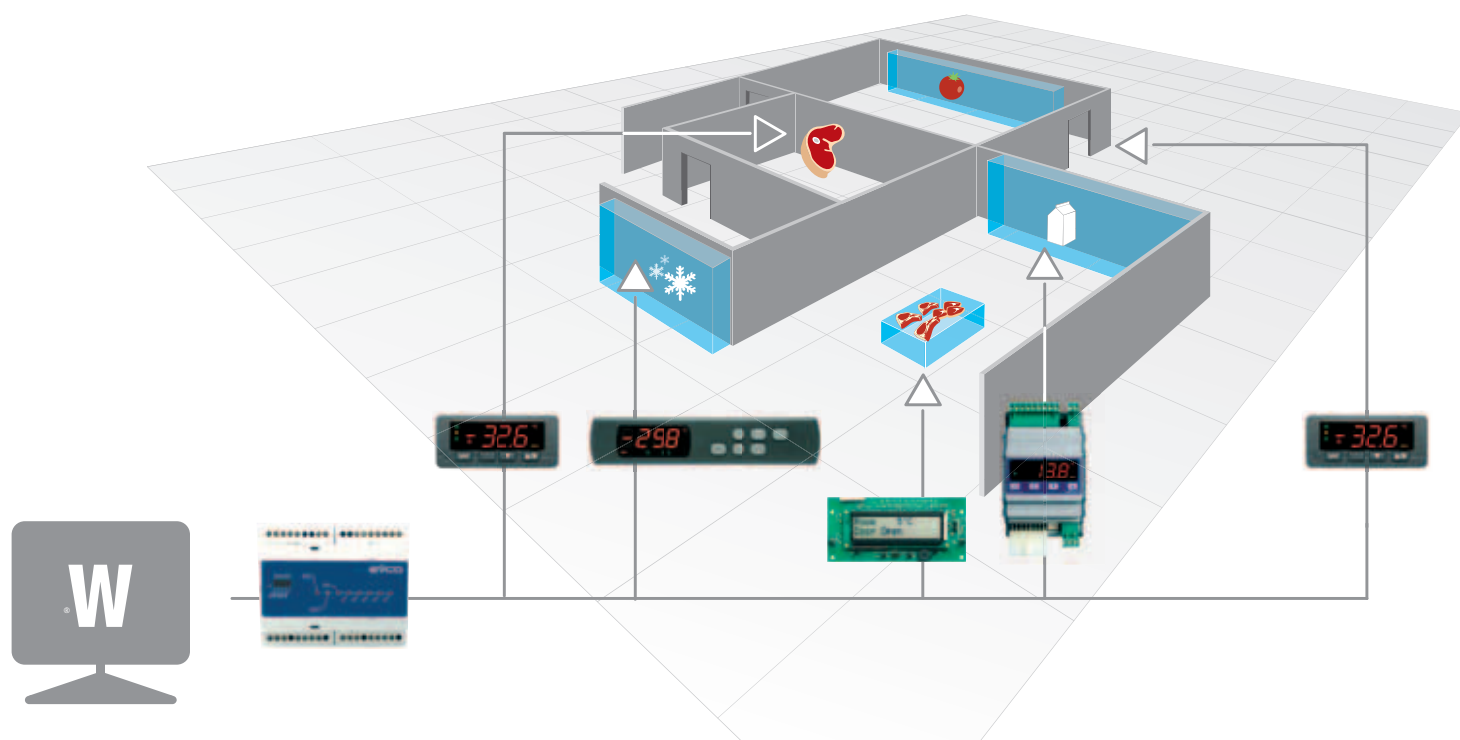
- Show in real time all data coming from connected instruments
- Modify in real time working setpoint and configuration parameter values per each instrument
- Record on hard-disk data coming from the network, both regulation quantities and machine status
- Create reports in graphic or table formats with possibility of data export
- Send E-mail, SMS and Fax to different contacts for a real time signalling of alarm conditions
- Protect configuration pages by using hierarchical access levels with username and password

RICS网络架构非常简单：软件与仪表是基于RS485网络连接方式整合，通过RS485转RS232数据转换模块连接PC。

RICS可以使用两种不同的数据传输协议来实现：标准MODBUS协议和EVCOBUS美控专用数据传输协议。

Instruments connection with RICS is very simple: it is based on a RS 485 network (3 wires) between devices connected with Personal Computer COM port by using a simple interface.

RICS is able to manage two different communication protocols, standard MODBUS or EVCOBUS.



# 远程维护

RICS不是一个只能实现本地监控的超级系统。它具有远程控制和管理功能。通过internet外网或者其他技术可以实现全球掌控。一切只取决于客户的需要。

RICS isn't only a local supervision system. It is also a telemaintenance system that allows plant management all around the world by using different type of technologies. Customer will have the possiblity to choose 2 different types of telemaintenance, based on his own requirements

RICS Client/Server (服务器版) 可以通过任何地方接入internet网络的个人电脑实现远程管理。

## 设置

硬件：装有RICS服务器版的电脑

连接方式：Modem，本地网络，internet

RICS Client/Server allows plant management (Server) from a remote location (Client) by using a Personal Computer with RICS Client/Server software installed

## Configurations

Hardware: Personal Computer with Windows OS and RICS Client/Server software installed

Kind of connection: modem, local LAN, internet

## RICS WEB

RICS网页版可以通过互联网，使用网页浏览器随时随地进行管理。管理工具可以是笔记本，智能手机，pocket PC等等。

## 设置

硬件：可以浏览网页的任何设备

接入方式：internet

RICS Web allows remote plant management without any requirement for additional software but only with the using of a Internet browser (Microsoft Internet Explorer; Netscape Navigator; Firefox, etc...) In this way, telemaintenance will not require a dedicated Personal Computer but will be enough a pocket PC or a mobile phone using an internet connection and a web browser

## Configurations

Hardware: any device with a web browser

Kind of connection: internet



# 产品类目

RICS依据功能和费用分为三个不同的版本。客户可以根据自己的需要和成本控制来加以选择。

Elevated RICS performaces have been divided in 3 product categories with different features.  
Customer will select right software for his requirements without charge costs for features not required.

特性	FEATURES	免费版	高级版	终极版
通讯协议				
Modbus	Modbus	•	•	•
Evcobus	Evcobus	•	•	•
语言				
英语	English	•	•	•
意大利语	Italian	•	•	•
其他	Other languages		•	•
功能特征				
最大装置连接数	Maximum instruments number	20	40	100
参数编辑可能	Parameters modification		•	•
密码保护	Access protection(password)		•	•
数据记录				
数据记录精度	Minimum sample time	5分钟	30秒	30秒
主探针记录	Main probe record	•	•	•
设备扩展性状态	Machine status extended registration		•	•
报告				
图形	Graphs	•	•	•
表格	Tables	•	•	•
数据输出	Data export		•	•
诊断				
装置重复诊断	Device diagnostic repeating	•	•	•
简单报告管理	Simple alarms management	•	•	•
高级报警管理	Advanced alarms management			•
E-mail(电子邮件)	E-mail	•	•	•
传真	FAX		•	•
SMS手机短消息	SMS	*	•	•
远程管理				
RICS Client/Server(服务器)	RICS Client/Server		•	•
遥控数据可视化	Remote data visualization		•	•
遥控管理	Remote management			•
产品管理线				
可编程控制器制冷系列	C-Pro line-Refrigeration		•	•
可编程控制器空调系列	C-Pro line-Air-conditioning			•
FK系列产品	FK line	•	•	•
EVK系列产品	EVK line	•	•	•
EVS系列产品	EVS line	•	•	•
速冻机	Blast chiller		•	•
客户定制板(支持Modbus协议)	Custom boards with Modbus		•	•
EVC0获得型号	EVC0 acquisition modules	•	•	•

\* 通过SMS短消息和E-mail兼容发送的特定方式实现。 - By SMS compatibile e-mail sending features.

## PRODUCT CATEGORIES

# 附件

## 接口/Interface

### RS485接口组网连接电脑

Interfaces for instrument RS485 network connection to Personal Computer:

#### EVIF21RS7I

电源接入：230 Vac

输入：1个RS232输入接口

输出：1个RS485输出接口

最大接入点数：31

-Power supply: 230 Vac

-Inputs: 1 input RS 232

-Outputs: 1 output RS 485

-Maximum points number: 31

#### EVIF60RS7I

电源接入：230 Vac

输入：1个RS232输入接口

输出：5个RS485输出接口

最大接入点数：155

-Power supply: 230 Vac

-Inputs: 1 input RS 232

-Outputs: 5 outputs RS 485

-Maximum points number: 155



## 复制及距离扩展模块/Repeaters

RS485复制/距离扩展模块是根据客户对最大距离和最大输入点的需要而开发的。

RS485 repeaters / line expanders to improve maximum connection distance and maximum number of points.

#### EVIF60SS7I

输入：1个RS485输入接口

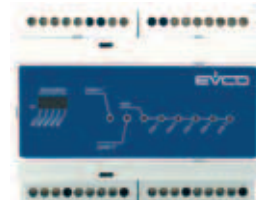
输出：5个RS485输出接口

最长扩展距离：1200 m

-Inputs: 1 input RS485

-Outputs: 5 outputs RS 485

-Maximum linea exstension: 1.200 m



## 驱动 / Drivers

TTL/RS485驱动(针对R485网络)

TTL/RS485 drivers for RS485 instrument network creation

#### EVIF20TSX - 非光电隔离 - not insulated

输入：TTL

输出：1个RS 485

支持产品系列：EVK, EVS, Control-Pro

-Input: TTL

-Output: 1 output RS 485

-For product lines: EVK, EVS, Control-Pro



#### EVIF21TSX - 光电隔离 - optoinsulated

输入：TTL

输出：1个RS 485

支持产品系列：EVK, EVS, Control-Pro

-Input: TTL

-Output: 1 output RS 485

-For product lines: EVK, EVS, Control-Pro





## 联系方式

### EVCO S.r.l. (美控集团意大利总部)

Via Mezzaterra 6, 32036 Sedico Belluno ITALIA

Tel. +39-0437-852468

Fax +39-0437-83648

E-mail [info@evco.it](mailto:info@evco.it)

web site: [www.evco.it](http://www.evco.it)

## LOCATIONS ( 全球各地办事处 )

### Control France ( 法国 )

155 Rue Roger Salengro, 92370 Chaville Paris FRANCE

Tel. 0033-1-41159740

Fax 0033-1-41159739

E-mail [control.france@wanadoo.fr](mailto:control.france@wanadoo.fr)

### Every Control Argentina ( 阿根廷 )

Larrea, 390 San Isidoro, 1609 Buenos Aires ARGENTINA

Tel. 0054-11-47351031

Fax 0054-11-47351031

E-mail [evcoventas@anykasrl.com.ar](mailto:evcoventas@anykasrl.com.ar)

### Every Control do Brasil ( 巴西 )

Rua Marino Félix 256, 02515-030 Casa Verde São Paulo SÃO PAULO BRAZIL

Tel. 0055-11-38588732

Fax 0055-11-39659890

E-mail [info@everycontrol.com.br](mailto:info@everycontrol.com.br)

### Every Control Norden ( 瑞典 )

Cementvägen 8, 136 50 Haninge SWEDEN

Tel. 0046-8-940470

Fax 0046-8-6053148

E-mail [mail2@unilec.se](mailto:mail2@unilec.se)

### Every Controls Pacific ( 澳大利亚 )

59 Premier Drive Campbellfield, 3061, Victoria, Melbourne, AUSTRALIA

Phone: 0061 3 9357 0788

Fax: 0061 3 9357 7638

E-mail: [everycontrol@pacific.com.au](mailto:everycontrol@pacific.com.au)

### Every Control Shanghai Service Center ( 中国上海 )

B 302, Yin Hai Building, 250 Cao Xi Road, 200235 Shanghai CHINA

Tel. 0086-21-64824650

Fax 0086-21-64824649

E-mail: [sunpanfeng2006@gmail.com](mailto:sunpanfeng2006@gmail.com)

### Every Control United Kingdom ( 英国 )

Unit 2, Monument Business Park, Chalgrove Oxon UNITED KINGDOM

Tel. 0044-1865-400514

Fax 0044-1865-400419

E-mail [info@everycontrol.co.uk](mailto:info@everycontrol.co.uk)

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