



# Hazardous Area Classification **Analysis** and **Design** Software

## **2025 PRICE LIST**

## HACADS Software Features

- ❖ **SORS® Source of Release Schedule** Interactive source of release schedule which including class designation, zone designation/zone extensions, zone optimization, equipment management system, document management systems, and technical notes
- ❖ **FMCCA® Flammable Mixture Composition Studies** Calculates/Analysis UFL, LFL, AIT, flammability, gas group, and liquid class by the NFPA 497 standard. Integrated with an interactive component library, stream merge system and, and technical notes
- ❖ **Auto Ignition Temperature (AIT) Calculations** Instantly identify AIT with different options
- ❖ **FE (Fugitive Emission) Estimate Calculations** Calculates Fugitive Emission estimate for each area by the EPA, API RP 505, API RP 500, and EC 60079-CEI 31-35 standards
- ❖ **IEC 60079-10 Studies** Calculates ventilation, zone designation, and zone extension for indoor/outdoor areas
- ❖ **CEI 31-35 Studies** Accurate calculation of zone designation, zone extension indoor/outdoor areas in various streams. Based on and fully compliant with CEI 3135
- ❖ **IGEM/SR/25 Studies** Calculates ventilation and zoning distances for natural gas facilities (Appendix 7 only) for areas
- ❖ **API RP 505 Studies** Calculates ventilation, zone designation, zone extension, point source, and figure selection for areas
- ❖ **API RP 500 Studies** Calculates ventilation, div designation, div extension, point source, and figure selection for areas
- ❖ **NFPA 497 Studies** Smart figure selection for Hazardous area classification designation and zone extension by the matrix diagram

### STAND ALONE APPLICATIONS

- ❖ **Auto-Build** Smart build SORS from equipment and process stream
- ❖ **EPA Studies** Fugitive emission calculation tool by EPA

## Flammable Mixture Composition Calculation/Analysis (FMCCA)

HACADS FMCCA module is designed to instantly identify calculate and determine flammable mixture properties by evaluating process streams for adherence to recommended industry-standard practices.

The software is designed to analyze the entire system and identify each stream of safety-related values that are required for hazardous area classification studies and drawings. Quickly view the calculated values will help increase the safety of the facilities.

FMCCA is a powerful and time saving tool for hazardous area classification system evaluation and operation.

### **Features**

- Comprehensive report all flammable mixture components and calculation result with the analysis
  - Specific reports of a single stream and calculation result
  - Interactive technical notes
  - Import data from an excel spreadsheet to save data entry time
  - Most updated chemical component library with integrated add/delete/modify each component feature
  - Merge streams feature to combine multiple selected streams to one.
  - Dynamic component selection from the library into a project
- Integrated with flammable mixture analysis module to view greater result details such as UFL, LFL, AIT, flammability, gas group, and liquid class by the NFPA 497 standard

## Ventilation

HACADS's IEC 60070-10 location (Ventilation) module is for accurate calculation of ventilation values for various indoor or outdoor facilities, which is an important part of hazardous area classification design and analysis. The calculation determines the adequately ventilated parameter.

The software provides all the possible options for the analysis of existing and new systems. The accuracy of the calculation provides increased confidence in the design, upgrading, and analysis projects.

The software is an efficient tool for making complex calculation tasks straightforward and easy.

### **Benefits**

- Calculate Air Change per Hours (ACH)
- Calculate Volumetric Flow Rate of Air
- Calculate Ventilation Velocity

### **Features**

- Accurate calculation of adequate ventilation.
- User-defined ventilation velocity

## Fugitive Emissions

One of the pillars for hazardous area calculations is FE (fugitive emission) studies. HACAD has integrated the most comprehensive FE calculation methods in each module to support hazardous area classification calculations. Users will be able to select one of the FE calculation methods through the FE Method editor and the result will be applied to related stream calculations. Fugitive emission estimate editor is based on EPA, API RF 505, IEC 60079-10-1, and CEI 31-35 standards.

HACAD has also incorporated a stand-alone application for FE calculation that can be purchased separately as an option.

### **Benefits:**

- Calculates most accurate FE per EPA, API RF 505, and IEC 60079-10-1, and CEI 31-35 standards.
- FE calculations will be dynamically created for each stream and evaluation module.
- Evaluate alternative FE solutions quickly and easily to contribute to an optimal design.
- Improve safety margins with field measured FE incorporate.

### **Features:**

Selected FE values will be applied to studies.

FE Analysis reports can be printed to several standard size and format sheets.

Option to select no release and option to use EPA result.

## **Data Import**

The Data Import Module provides an interface to seamlessly Import data from excel spreadsheets for FMCCA data, equipment list and document list

## **Auto Build**

Cut hours of design work! Automatically creates source of release schedule from equipment list and stream list to make ready for completion the other modules such as class designation, zone designation.

### **Features**

Helps you design more cost-effective hazardous area classification studies for mid to large facilities

- Saves you time by automatically entering equipment and stream data for all components based on the calculations
- Allows for consistent designs throughout the system.

## Special HACADS Combination Packages

HACADS Hazardous Area Classification Analysis and Design Software is pleased to offer four Software combination packages. Combo-Packs offer the most requested and experienced study modules used by engineers worldwide. No substitution is allowed on any package. There are no other discounts available on the packages. Existing software packages cannot be upgraded to any Pack. Additional modules can be added to any package if desired.

### COMBO PACK I

- ✓ SORS
- ✓ FMCCA
- ✓ IEC 60079-10 + Ventilation
- ✓ IGEM/SR/25
- ✓ AIT

#### Streams

#### Price\*

5	\$8,500
15	\$10,200
40	\$12,240
80	\$14,688
100	\$17,626
150	\$21,151

### COMBO PACK II

- ✓ SORS
- ✓ FMCCA
- ✓ IEC 60079-10 (Only Ventilation)\*\*
- ✓ CEI 31-35
- ✓ IGEM/SR/25
- ✓ AIT

#### Streams

#### Price\*

5	\$9,750
15	\$11,700
40	\$14,040
80	\$16,848
100	\$20,218
150	\$24,261

### COMBO PACK III

- ✓ SORS
- ✓ FMCCA
- ✓ IEC 60079-10 (Only ventilation)\*\*
- ✓ API RP 505
- ✓ API RP 500
- ✓ NFPA 497
- ✓ IGEM/SR/25
- ✓ AIT

#### Streams

#### Price\*

5	\$11,250
15	\$13,500
40	\$16,200
80	\$19,440
100	\$23,328
150	\$27,994

### COMBO PACK IV

- ✓ SORS
- ✓ FMCCA
- ✓ IEC 60079-10 + Ventilation
- ✓ API RP 505
- ✓ API RP 500
- ✓ NFPA 497
- ✓ CEI 31-35
- ✓ IGEM/SR/25
- ✓ AIT

#### Streams

#### Price\*

5	\$13,250
15	\$15,900
40	\$19,080
80	\$22,896
100	\$27,475
150	\$32,970

Combination and Upgrade Pricing Matrix

	HACADS Program Modules with Add-On Options	COMBO PACK				STAND-ALONE APPLICATION			
		I	II	III	IV				
BASE PRICE	(SORS) Source of Release Schedule	✓	✓	✓	✓				
	Flammable Mixture Composition	✓	✓	✓	✓				
	Auto Ignition Temperature (AIT)	✓	✓	✓	✓				
	IEC60079_10 (Only Ventilation)	✓	✓	✓	✓				
	IEC60079_10	✓			✓			✓	
	CEI31_35		✓		✓			✓	
	IGEM/SR/25 ***	✓	✓	✓	✓				
	API RP 505 *			✓	✓			✓	
	API RP 500 *			✓	✓			✓	
	NFPA 497 **			✓	✓				✓
	Probabilistic Method		✓	✓	✓				
	Process Data Editor	✓	✓	✓	✓				
	Chemical Component Library	✓	✓	✓	✓				
	Technical Notes Editors	✓	✓	✓	✓				
	Reporting/Printing	✓	✓	✓	✓				
	EPA FE Estimate						✓		
	Auto-Build					✓			
	Document/Equipment Management System	✓	✓	✓	✓				
	5 - Streams 10 - Equipment 10 - Components	\$8,500	\$9,750	\$11,250	\$13,250	\$1,500	\$1,250	\$2,250	\$1,850
	15 - Streams 30 - Equipment 15 - Components	\$10,200	\$11,700	\$13,500	\$15,900	\$1,800	\$1,500	\$2,700	\$2,220
SYSTEM LIMITS	40 - Streams 60 - Equipment 20 - Components	\$12,240	\$14,040	\$16,200	\$19,080	\$2,160	\$1,800	\$3,240	\$2,664
	80 - Streams 100 - Equipment 25 - Components	\$14,688	\$16,848	\$19,440	\$22,896	\$2,592	\$2,160	\$3,888	\$3,197
	100 - Streams, 120 - Equipment 30 - Components	\$17,626	\$20,218	\$23,328	\$27,475	\$3,110	\$2,592	\$4,666	\$3,836
	150 - Streams 170 - Equipment 35 - Components	\$21,151	\$24,261	\$27,994	\$32,970	\$3,732	\$3,110	\$5,599	\$4,603

Notes:  
\* Pre-request: Combo Pack I or Combo Pack II has to be existing  
\*\* Pre-request: API RP 505 or API RP 500 have to be existing  
\*\*\* Pre-request: IEC 60079-10 has to be existing

# Software Support Services

**Service and Support** As Technical Support, HACADS is committed to providing a quality-focused service to help you quickly resolve problems or questions within the software. Unlimited technical support and software updates are provided as part of the Maintenance and Support service. Maintenance and Support service is included in the first-year sales.

	List Price	Annual On-Time Renewal
Special Packages	Per Year	Per Year
Combo-Pack I	\$1,200	\$1,000
Combo-Pack II	\$1,200	\$1,000
Combo-Pack III	\$1,200	\$1,000
Combo-Pack IV	\$1,200	\$1,000
Hacads Study Modules		
(SORS) Source of Release Schedule	\$450	\$350
Flammable Mixture Composition	\$459	\$350
Auto Ignition Temperature (AIT)	\$225	\$180
IEC60079_10 (Ventilation)	\$450	\$350
IEC60079_10	\$450	\$350
CEI31_35	\$450	\$350
IGEM/SR/25 ***	\$450	\$350
API RP 505 *	\$450	\$350
API RP 500 *	\$450	\$350
NFPA 497 **	\$450	\$350
Probabilistic Method	\$450	\$350
Process Data Editor	\$225	\$180
Chemical Component Library	\$225	\$180
Technical Notes Editors	\$225	\$180
Reporting/Printing	\$225	\$180
EPA FE Estimate	\$225	\$180
Auto-Build	\$225	\$180
Additional Simultaneous Users	30 to 50% discount per Count	

- ❖ Late fees will be added for the renewal of all expired licenses

## Upgrades and Discounts

### Upgrades

When upgrading from any product or combination to another product or combination, you will receive credit as long as the previously purchased software is current in Software Maintenance and Support Service.

### Competitive Upgrades

Call about our competitive upgrade pricing.

## Network Options

### Single User Network License

Allows one user at a time, regardless of the number of program modules.  
Price: Cost of program or combination package plus \$1500

### Concurrent User Network License

Allows study modules to be accessed at the same time by multiple users  
Price: Upgrade to Network license first (see above), plus each additional study module at a 20% discount off full price.  
(20% discount not applicable to Combo-Packs)

## Corporate Licenses

### Multi-Site Licenses

Please contact hacads for pricing at [sales@hacads.com](mailto:sales@hacads.com).

## Specifications

### Recommended System Requirements

- PC running Windows 10 or newer Intel i5 or i7 Processor
- Dual monitors
- 120 GB+ Solid State Hard Drive
- 8GB+ of RAM

## What's Included in Your Order?

- The software program and applicable libraries Hardware key protection (if applicable) for each license
- Software Maintenance and Support Service, including technical support as needed; Maintenance is annually renewable in following years
- Major updates as released for one year User's Guides with step-by-step tutorials Tutorial Video DVD or USB
- Electronic delivery on software/module upgrades

## Acceptable Forms of Payment

- Purchase Order (net 30 days) with approval
- Check
- Bank wire transfer MasterCard, VISA AMEX

## Software Training

### Classroom Training

Visit [www.hacads.com](http://www.hacads.com) and click on Training to view scheduled training in your area and online.

### On-Site Training

More than 4 engineers? We'll come to you!  
Email [sales@hacads.com](mailto:sales@hacads.com) for a personalized on-site quote.

## My Hacads Customer Portal

### With the My hacads Customer Portal, you'll be able to:

- Obtain pricing and order products and upgrades View license information
- View all invoices for your account Enroll in training
- Renew software maintenance
- View Transaction History, and much more!

## Currency

- The US Dollar is the currency of United States in this document.



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