sprinkCAD

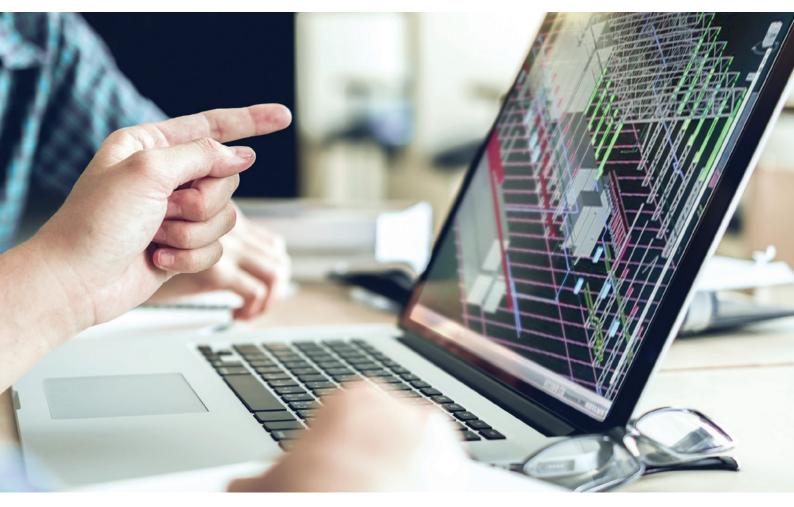# Seamless. Supported. SprinkCAD

The comprehensive fire sprinkler system design software suite.

The power behind **your mission**

Johnson Controls

The challenge for system design: more demand and more accuracy

Growth in the construction industry across sectors such as: healthcare, storage, mixed-used buildings, transportation, energy storage, data centers is creating an increased demand for the application and usage of fire sprinkler systems. The higher the construction demand, the higher the need to produce accurate and timely fire sprinkler designs.

Strict building safety codes imposed by regulatory bodies across the globe also place a demand on designers to keep abreast of the latest codes to ensure designs comply with building codes within the industry and legal framework.

Time: the most valuable project resource

The process of designing fire sprinkler systems has changed dramatically in recent years. Fire engineers and designers are on a lookout for fire sprinkler software that offers code-compliant fabrication-ready designs, material stock list reports, and a comprehensive solution packaged together to help them complete their design easily and quickly.
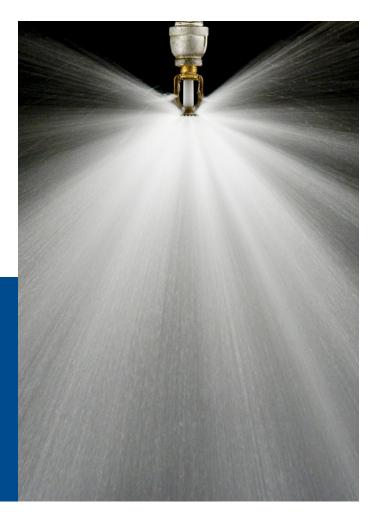
Fire sprinkler contractors face the challenge of having to design projects and participate in the BIM process, all while maintaining overall project budgets and schedules to perform successfully and stay competitive. Contractors need to ensure that fire sprinkler designs are accurately represented, generate quality output – in a fast turnaround time to mitigate project delays – and facilitate the installation of fire sprinkler systems more efficiently and cost-effectively.

Complex learning curve

It takes time for users to adapt to new software. Getting familiar with software – especially if you don't have experience with a similar system – can be overwhelming, frustrating and time-consuming without the right approach.

For designers and contractors, there is no time to waste. Time is a precious resource and dealing with recurring software enquiries during the initial adoption stage is not an option. There is also cost to consider. Some fire sprinkler software providers charge users a fee for after-sales service; this adds up to financial stress which can affect the bottom line.

Implementing the right software tools in your business can be a huge time and money saver – it can also give your work a significant boost

With the robust and comprehensive SprinkCAD Sprinkler System Design Software Suite, the entire value chain for system design can be seamlessly achieved within very tight deadlines.

Harness the power of SprinkCAD

Comprehensive tools for seamless fire sprinkler system design and calculations

Backed by the world-class service and support of Johnson Controls, SprinkCAD has comprehensive tools for fire sprinkler system design and calculation components. This empowers you to generate detailed system fabrication reports and perform complex hydraulic and fluid delivery time calculations.

Calculate and perform complex hydraulic and fluid delivery time tests

Generate detailed system fabrication reports

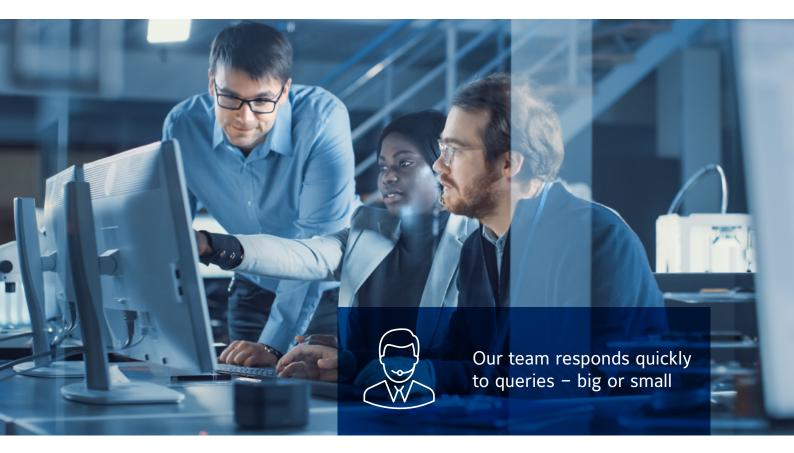**Design** fire sprinkler systems using feature-rich software

A world-class support team by your side every step of the way

We know that designing and executing system design can be challenging, especially if you're new to the software.

Our best-in-class technical support has a worldwide reputation for excellence; whether you're a new or seasoned user.
The highly trained, game changing SprinkCAD support team solves practical and up-to-date issues to protect your project against downtime.

* SprinkCAD 101 and SprinkCAD 102 are paid courses. Access to the support team is a complimentary service.

Every SprinkCAD license comes with complimentary* access to technical support. The SprinkCAD support team ensures our licensees produce quality fire sprinkler designs easily and confidently

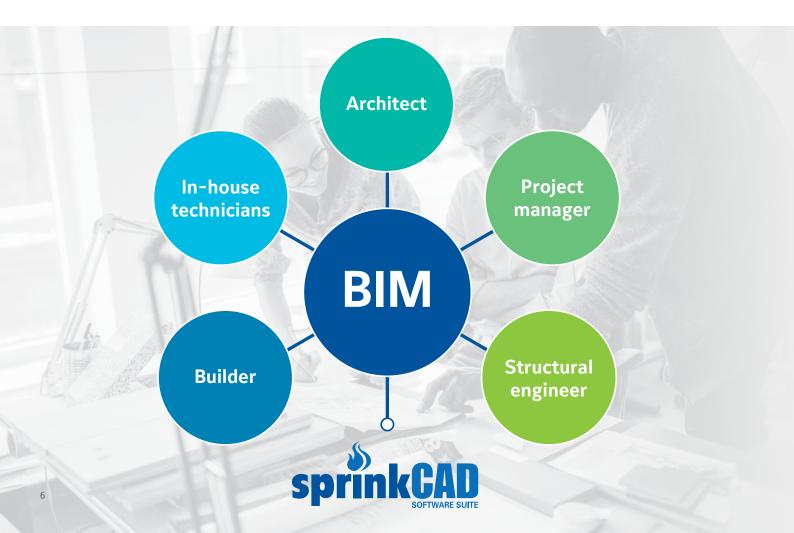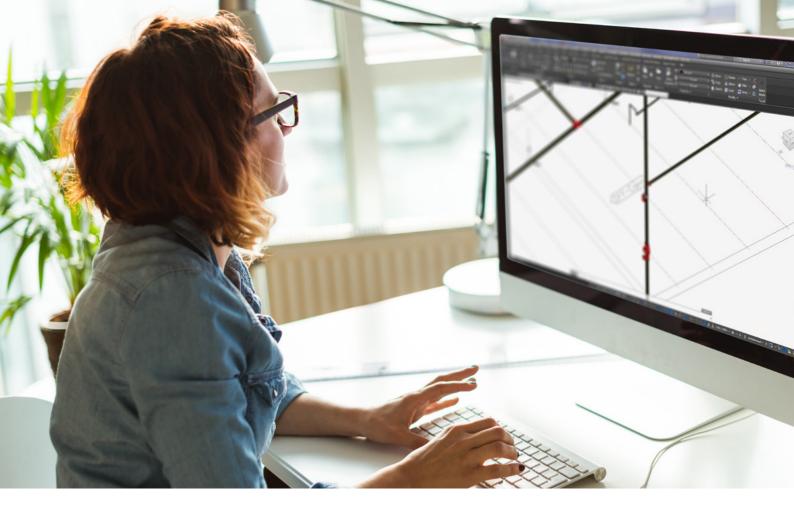Our team responds quickly to queries – big or small

Seamless design with industry-standard compatibility

Meticulously designed, the highly versatile SprinkCAD sprinkler design software is compatible with industry programs, providing ease of use and accessibility.

Integration with Building Information Modelling

Building Information Modelling (BIM) is an effective technique for conceiving, planning and designing structures of any size and complexity. BIM design, when managed correctly, can have a positive impact on the installation of your work. SprinkCAD Software Suite is engineered to be compatible with

Building Information Modelling (BIM) systems and allows the design team to visualize all the building components and systems before construction even starts. Simply import architectural, structural and trade backgrounds, and you're ready to go.
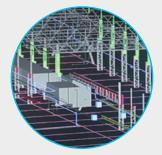

Architect

In-house technicians

Project manager

BIM

Builder

Structural engineer

sprinkCAD
SOFTWARE SUITE

BimPort

Take advantage of the interoperability of SprinkCAD software to export SprinkCAD files effortlessly to NavisWorks® and Revit®.

What's more, with backward compatibility, legacy SprinkCAD designs can be used without the need to create new files, saving you time and effort.

Work seamlessly with AutoCAD® and BricsCAD®

The advanced software architect allows SprinkCAD to work seamlessly with AutoCAD® and BricsCAD®. Pairing is made easy, allowing you to design in industry–standard 3D environments.
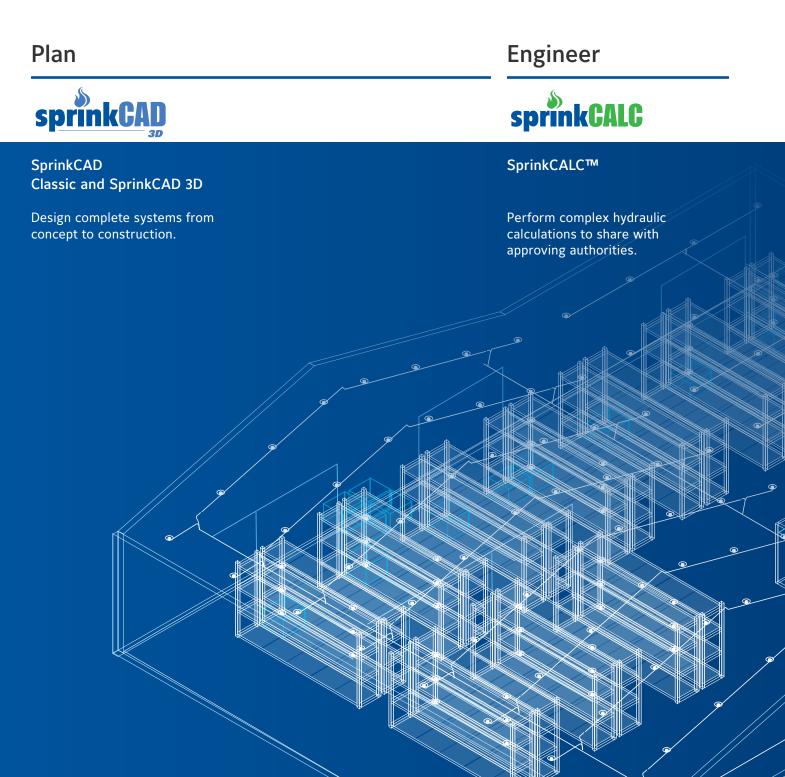
Facilities project management

The powerful SprinkCAD design software can be combined with other construction elements so coordination or collision detection tasks can be performed easily.

A comprehensive suite of fire sprinkler design software from concept to completion

The all-in-one solution for fire sprinkler system design. Engineered to work together.

Plan

sprinkCAD 3D

SprinkCAD
Classic and SprinkCAD 3D

Design complete systems from concept to construction.

Engineer

sprinkCALC

SprinkCALC™

Perform complex hydraulic calculations to share with approving authorities.

Test

sprink**FDT**

SpinkFDT™

Conduct fluid delivery time test with the only UL listed software that can replace a physical trip test.

Bid

sprink**SLIC**

SprinkSLIC™

Generate detailed materials stock lists to facilitate project bidding and ordering.

Tools for Revit®

Create simpler and faster Revit designs using familiar tools and functions

- Draw arm-overs, sprigs, drops and goose-necks at any elevation

- Build custom families in seconds with a full library of sprinklers, valves, fittings and pipe parameters

- Create one or many branch lines connecting a field of sprinklers to a main pipe

- Use the Error Check command to find disconnected MEP objects

- Includes options to zoom and/or select one or many elements

www.sprinkcad.com/solutions/revit-tools

SprinkCAD Classic
The original design software

The ever-popular SprinkCAD Classic is embraced by many designers around the world. It allows users to design in a two-dimensional environment and create 3D piping models for coordination in Navisworks® and Revit®.

SprinkCAD 3D

The highly accurate SprinkCAD 3D enables you to create fire sprinkler system designs, generate detailed system fabrication reports and perform complex hydraulic calculations all in one BIM design software suite.

Backed by the world-class service and support of Johnson Controls, SprinkCAD™ 3D is the single source for fire sprinkler design and calculation components enabling you to do more than ever before.

New features – now available

- The new Auto-hanger Insertion command quickly spots hangers on all piping
- The improved Bay Layout routine gives greater control over the resulting layout
- The new Solid Pipe Representation option improves visibility during initial layout
- With Auto Clean-up you can now automatically relocate SprinkCAD annotations in both model and paper space to avoid overlapping data
- With Preferred Parts Lists you can now create named lists of all parts with a focus on the ability to modify 'preferred' check marks
- With Re-Elevate Heads you can change the elevation of sprinklers connected to non-sloped pipes and vertical sprigs or drops
- The TidyPipe command now has buttons to select ALL to tidy all sprinkler head points or PARTIAL to pick a series of sprinkler head points and define a region

NOTE: The SprinkCAD Classic and SprinkCAD 3D licenses include access to SprinkSLIC and SprinkCALC. Licenses for SprinkFDT and Tools for Revit® are sold separately.

Enhancement
SprinkCAD 3D Version 6.0 is our newest release of SprinkCAD™. SprinkCAD 3D Version 6.0 includes new features such as: earthquake bracing, job file portability, 3D Tidypipe™ and more. Upgrade to the new version today or request a demo to learn more.
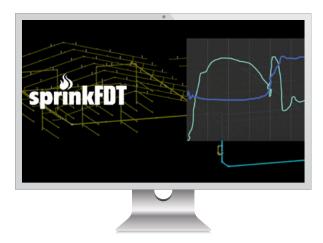**www.sprinkCAD.com**

SprinkCAD for Revit® Fabrication Tool

With this new fabrication tool, fire protection professionals can transfer a valid, connected Revit® design directly into the SprinkCAD's strategy-based fabrication environment. In addition to providing 3D layout and calculation capabilities, the newly expanded suite of tools enables users to deliver a fabrication-ready design and stock list.

Advanced design capabilities

- Create and manage critical SprinkCAD fabrication settings with the Revit® environment
- Draw arm-overs, sprigs, drops and goose-necks at any elevation
- Autoconnect one or many branch lines connecting a group of sprinklers to a main pipe
- Build custom families in seconds with a full database of sprinklers, valves, fittings and pipe parameters
- Use the Error Check command to find disconnected MEP objects
- Perform fire sprinkler hydraulic calculations with full annotation in any view
- Ability to export fire sprinkler systems into SprinkFDT for fluid delivery time calculations (SprinkFDT sold separately)

Latest features

- Deliver fabrication-ready design and stock list
- Generate required Revit® families and insert them into the design model automatically
- Eliminate need for transition of design into the complex fabrication parts environment
- Map any Revit® sprinkler system design to desired pipes/sprinklers/valves/other items for Material Summary and fabrication reports
- SprinkCAD's intelligent strategies make fitting assignments for the entire project easier to manage than Revit's native methods or other fabrication processes
- Produce a Material Summary for the piping system directly from SprinkCAD for Revit®
- Create fabrication reports and manage stock listing by running SprinkSLIC from SprinkCAD
- Return piping data suitable for use in Pipe Tags for annotation of installation documents
- Systems are automatically cut to fabrication lengths with user-defined couplings when required
- Welded runs and mechanical tees are fully supported
- Piping arrangements and fitting assignments are easily performed using SprinkCAD's tools and methods

SprinkFDT Fluid Delivery Time Calculator

As the only UL-listed software for calculating fluid delivery time, SprinkFDT calculates dry valve trip time and water delivery time to the remote area without the requirement of a physical trip test, saving time for the installer and approving authority.

- Possibly reduce the number of dry systems required per code to decrease the number of costly riser components
- Ensure the project is code-compliant before the project begins
- Quickly determine the need for an accelerator
- Evaluate dry system performance on multiple factors impacting water delivery time
- Real-time viewer of the sprinkler system filling to illustrate the impact of system volume, shape, pressure and temperature
- Share files electronically with the approving authorities with free SprinkCALC viewer

SprinkCALC Sprinkler System Hydraulic Calculator

Perform hydraulic calculations and share with an approving authority. This flexible calculation tool enables you to input and edit any sprinkler system design with ease using a variety of measurement units.
Work in one unit system and output calculations in another. Supported units include: metric, imperial (US) or mixed units.

- Free SprinkCALC viewer empowers you to send electronic files to an approving authority for review
- Intuitive input screens and advanced editing features allow simple or complex sprinkler systems to be inputted and edited with ease
- Supports both Hazen-Williams and Darcy-Weisbach formulas
- Store multiple design areas in one file along with multiple open sprinklers for fluid delivery time calculations (SprinkFDT license required)
- Set up customized output formats
- Available standalone or for use with files exported from SprinkCAD 3D and SprinkCAD Classic

SprinkSLIC Sprinkler system stock listing

This standalone stock listing software enables you to easily create and interpret detailed pipe fabrication, using fast input and clear screens.

- Determine the material to be used for a project (pipe schedules, stock lengths, etc.)
- List the hangers and view the components of each hanger assembly even in the most complex settings
- Manage parts, labor and pricing for all SprinkSLIC database items with simplicity
- Includes color codes, special handling, bundling options, cutting sequences and pipe cutting optimization
- License as a standalone program is included in the SprinkCAD license

Seamless Supported SprinkCAD

www.sprinkCAD.com

Leadership forged by expertise

Since 1986, the SprinkCAD brand of software products from Johnson Controls has been consistently improved by a team of experts, engineers and Microsoft Certified Technicians with extensive experience in sprinkler contracting and system design. Backed by the world-class technical support team supporting our customers globally, the SprinkCAD team uses deep expertise to drive innovation and solve the unique challenges of the fire sprinkler system design industry worldwide.

What sets us apart

With almost 140 years in the fire sprinkler industry, Johnson Controls is uniquely qualified to deliver cost-effective solutions customized to any building configuration or fire protection application.

The broadest fire suppression portfolio of high-quality performance products

Global training academies with hands-on training for more than 10,000 customers each year

Industry experts driving innovation and shaping the future

Global reach, diversification, and integrated solutions that position us for growth

Part of the Johnson Controls portfolio of building products, technologies, software and services

Category leadership you can trust

Every day, the fire suppression brands of Johnson Controls deliver an unmatched range of water–based suppression solutions such as fire sprinkler systems, valves and devices, couplings and fittings, which help our customers save lives and protect property. This global technology portfolio includes many of the world's best-known brands, including:

sprinkCAD   tyco   AquaMist   rapidresponse   Grinnell

![sprinkCAD]

About Johnson Controls

At Johnson Controls (NYSE:JCI), we transform the environments where people live, work, learn and play. As the global leader in smart, healthy and sustainable buildings, our mission is to reimagine the performance of buildings to serve people, places and the planet.

Building on a proud history of more than 135 years of innovation, we deliver the blueprint of the future for industries such as healthcare, schools, data centers, airports, stadiums, manufacturing and beyond through OpenBlue, our comprehensive digital offering.

Today, with a global team of 100,000 experts in more than 150 countries, Johnson Controls offers the world`s largest portfolio of building technology and software as well as service solutions from some of the most trusted names in the industry.

Visit **www.johnsoncontrols.com** for more information and follow **@johnsoncontrols** on social platforms.

www.sprinkCAD.com

The power behind **your mission**

Johnson Controls

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