The SMART Visual Collaboration Solution

With powerful software, featuring innovative unbound workspaces, and industry-leading interactive displays, you have everything you need to transform collaboration.

Extremely visual and collaborative by nature, architecture, engineering and construction applications are perfect for the SMART Solution. Committed to helping you deliver projects successfully, SMART's results are proven. Bring everything from a simple sketch at the beginning of a project to a high resolution 3D model into discussion, letting you freely mark up and capture all content available to your team.

Implement SMART and see an ROI in as little as 1 week.

Project schedules can slip as much as 30% because of miscommunication. Keeping everyone involved and up-to-date at all times is a constant challenge. Miscommunication leads to mistakes, and at any level, mistakes attribute to rework, costing time and money. The SMART Visual Collaboration Solution makes processes more efficient, allowing businesses to be more competitive – and to be true industry leaders.

Seamless integration with applications

Write over a variety of industry-leading design review applications to ensure your workflow never gets disrupted.

| AutoCAD | Navisworks | Revit | Tekla BIMsight |

SMART | Inspired Collaboration™

The SMART Solution is used every day by leading AEC teams
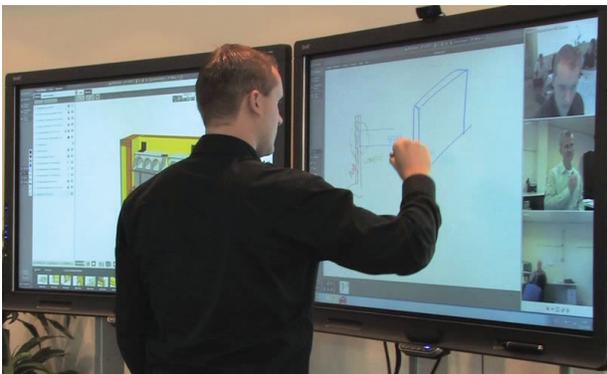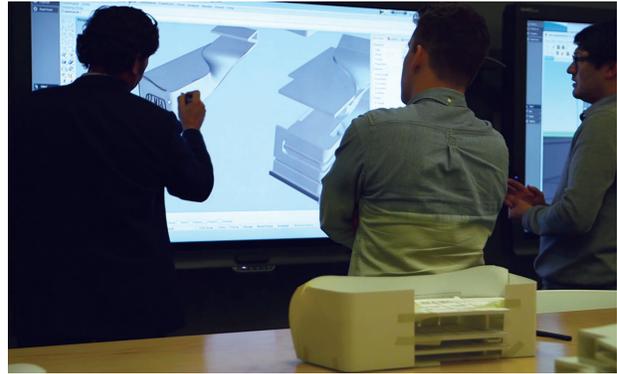
1/ Team members use their SMART Visual Collaboration Solution during project coordination.

2/ An architect collaborates with a coworker remotely during a design review.

3/ Co-workers engage in conceptual design on their SMART Visual Collaboration Solution.

Benefits of SMART:

- **Reduce rework through improved team communication**

- **Minimize schedule delays by involving stakeholders throughout the process**

- **Interact with virtual models to identify issues in all stages of design and construction**

More information at **smarttech.com/aec**

Which SMART Visual Collaboration Solution is for you?
Use the configuration tool to find the solution that fits your needs.
smarttech.com/configurator

SMART | Inspired Collaboration™

Turner

Turner Construction

Construction Management Company

Avoiding costly surprises and building better buildings

Through enhanced collaboration using the SMART Solution and BIM, Turner Construction increased productivity by 100% by identifying and resolving issues before they arise in the field, saving costs and preventing schedule delays. With this enhanced process they saved the Seattle Port Authority over $2 million.

"It's a game changer in terms of what we're seeing from companies like SMART," says Beaudoin. "They're providing technologies to enhance the use of BIM. These collaboration tools allow a team to work better together, and when teams work better together we have much better results."

— Jack Beaudoin, Vice President, General Manager, Turner Construction

"We did a study over a number of our projects using BIM and not using BIM, using technology and not using technology and the mechanical trade alone just from coordination and clash detection - they've become 100% more productive. We've really embraced the innovation and the technology as a company and bringing that to our buildings just helps us build better buildings because that's what we like to do."

— Brian Krause, National Manager, Integrated Building Solutions, Turner Construction Company

"SMART Boards have changed our meetings. We're able to get on topic, pull up a 3D model, show the problem and quickly get others on board."

— Dan Gramer, National Manager, Integrated Building Solutions, Turner Construction

More about Turner

Turner Construction is one of the largest contractors in the United States and has a culture of innovation. The company has earned recognition for undertaking large, complex projects, fostering innovation, embracing emerging technologies, and making a difference for their clients, employees and community.

SMART | Inspired Collaboration™

GEC Architecture

Architecture firm

Redesigning collaboration to increase capacity

At GEC, they believe that every project, plan and building poses a unique set of challenges that requires distinctive solutions. They implemented the SMART Solution to help redesign their team's workflow and collaboration to support their mission to improve cities through innovative architecture. The results? Teams now function truly as one architecture studio - sharing projects, insights, manpower, and expertise across the entire company — regardless of where they are located. Team's work together iterating on drawings — just like they would've grabbed felt pens and tracing papers — but now they are doing it across distances, writing over 3D digital models — far exceeding the old paper methods allowing increased flexibility in how they work, and ultimately increased their firms capacity.

"It would be hard to work without it. It instantly becomes part of your process. There is no going back."

– Peter Osborne, Partner, GEC Architecture

"The advantages and ROI is obvious because of how productive it (SMART Visual Collaboration Solution) makes us and how we can do things, particularly from a distance that we could not do before."

– Martin Jones, Partner, GEC Architecture

More about GEC

A firm with local roots, international scope and over forty years' experience designing significant one-of-a-kind buildings, creating innovative architecture and guiding complex projects through to completion. GEC is on a pursuit of insights and perspectives to improve cities and advance architecture. That's why they lead an open studio environment, where architects, interior designs and technologies work together in integrated teams - focused on delivering work that inspires people, respects context and brings client's visions to life.

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IBSECAD

Building Information Modeling (BIM) Consultancy

Competitive collaboration in the construction industry

Traditionally, all communication and work between design teams, architects, structural engineers, builders and trades to create buildings took place through large paper drawings. IBSECAD saw an opportunity to use the SMART Solution to not only streamline the BIM workflow, but to encourage even further collaboration between these key areas. The results were clear – a new standard of productivity was reached in their operations. They quickly realized this also opened doors to marketplaces they would not have been able to reach before. For example, IBSECAD successfully managed a $700M hospital construction project in the US, overseas from their home office in the UK, leveraging their new collaborative work sessions. Without the SMART Solution, it would've been cost prohibitive for them to take on this project given the amount of flights - the technology was "paramount" to this project delivery.

"We're always looking for ways to save our clients time and money, and make the projects run more smoothly and efficiently. We found using SMART Board interactive whiteboards was a perfect means of doing that – we could allow anybody that needed to be at the workshops remote access from their desktops, from their iPads or from their iPhones on site."

– David Robinson, Managing Director of IBSECAD

"SMART Board interactive whiteboards have made IBSECAD a much more efficient, streamlined business. It has allowed us to work in marketplaces we might not have been able to do quite so quickly. It has given our clients a level of service that surpasses our rivals."

– David Robinson, Managing Director of IBSECAD

More about IBSECAD

IBSECAD offers BIM solutions to the construction industry focusing on Management, Authoring, Planning, Scheduling and Lifecycle. Bridging the gap between design and build they help clients employ a 'draw it once' philosophy, greatly speeding up the project cycle. They allow clients to visualize designs in context and analyze real world performance earlier in the design process.

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DPR Construction

Construction Management Company

Get the full story **smarttech.com/dpr**

Increased efficiencies in construction planning and build phases

DPR used the SMART Solution for the construction of a children's, women's specialty and cancer hospital in 2014 at the University of California. The results? Streamlined communication, quicker decisions and potential problems detected earlier which lead to enhanced project delivery and added value for their customer.

"Team members find working with SMART Boards help them solve problems quickly and they're able to easily involve people that need to be part of the process."

— Atul Khanzode,
Director of Virtual Building, DPR Construction

More about DPR

DPR Construction is a general contractor who prides themselves on the collaborative spirit that they bring to their working relationship with clients. Ranked in the top 50 general contractors in the United States since 1997, they are a national commercial contractor and construction manager that has grown with their customers by delivering measurably more value.

SMART | Inspired Collaboration™

4te inc.

Professional Full-Service Design Firm

Get the full story **smarttech.com/4te**

Meeting client's technology needs

4te inc. excels at delivering unique solutions for their client's workspace design needs. They collaborate with clients every step of the way to excel decision-making. Because their designers have seen firsthand how the SMART Visual Collaboration Solution helps improve meetings and presentations, they now recommend it for their clients' boardrooms, training rooms and offices, improving their collaborative workspace and culture. By adding a SMART interactive whiteboard, 4te inc. helps their clients streamline the design process while going above and beyond their expectations.

"The SMART Board interactive whiteboard is a tool that is very relevant to the way we communicate and work in an office today."

– Helma Gansen, President, 4te Inc.

"We can very easily demonstrate what works and what doesn't. The evolution of a plan can take place right there, when normally it would take three meetings."

– Helma Gansen, President, 4te Inc.

More about 4te inc.

4te inc. (previously Gansen Lindsey Design Consultants Inc.) has provided professional design and planning solutions for over 30 years and have completed over 4,200 projects. They are committed to client satisfaction and work closely with their customers to create unique interiors that enhance productivity through the use of innovative materials and technology. This approach has led to the creation of functional, high-tech work spaces for many clients, including Accenture, Deloitte and Entrust Technologies.

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Global Collaboration Research

Thousands of businesses from around the world have taken part in a global research study (conducted by Filigree consulting and SMART) to share their insights on the value of collaboration. The study shows there are 5 levels of collaboration maturity (see figure 1), based on how an organization approaches collaboration.

Research findings in AEC industry

72% of the AEC industry falls into the lowest levels of collaboration maturity. The study concludes that organizations in the AEC industry do understand the value of collaboration but don't have a comprehensive strategy in place that includes technology, people and process.

Of the 28% of AEC organizations that are achieving the highest levels of maturity, they have shown to take an integrated approach to collaboration and are therefore more likely to:

- see 2.5x more employee retention than average
- experience 1.9x the accelerated rate of innovation
- increase team productivity by 1.6x

Figure 1: Collaboration Maturity in AEC
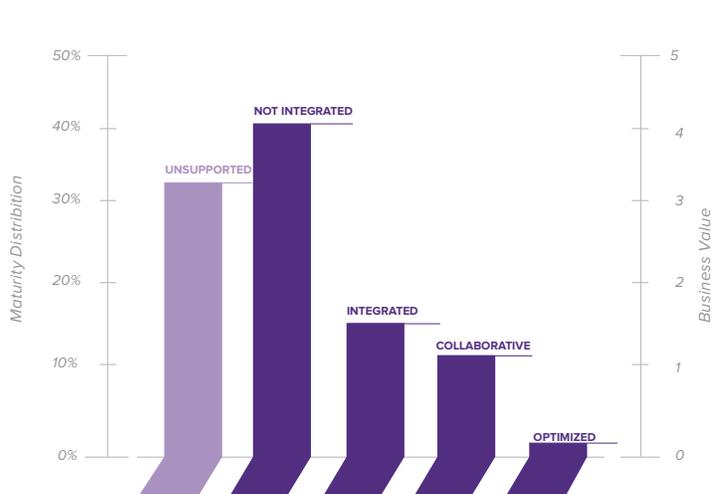
UNSUPPORTED - very little technology to support teams and no collaboration strategy

NOT INTEGRATED – experimenting with basic technology and no collaboration strategy

INTEGRATED – hardware, software and other systems implemented and collaboration spaces available, but limited

COLLABORATIVE – integrated collaboration solutions, training and processes in place but full range of spaces not fully deployed

OPTIMIZED –complete implementation of solutions, training and processes, complete access to full range of spaces

SMART | Inspired Collaboration™

AEC organizations that combine best practices and technology with collaboration strategies result in improved business value.

Improved Team Productivity **64%**
High Quality Problem Solving **60%**
Lower Travel Expenses **52%**
Higher Quality Decision Making **48%**
Increased Meeting Productivity **48%**
Reduced Process Cycle Times **48%**
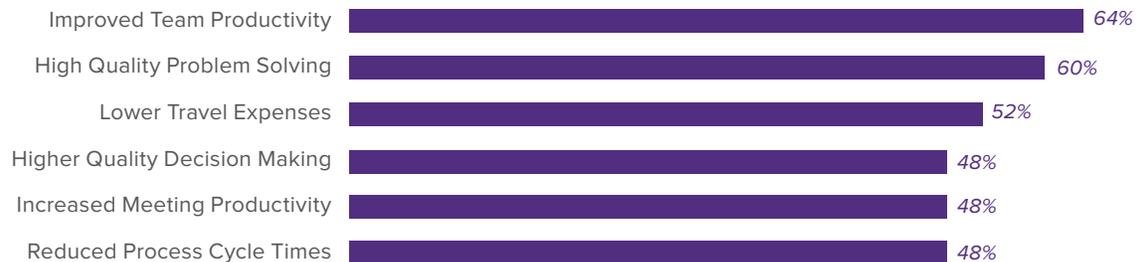
Steps to increase collaboration maturity

Follow these best practices and collaboration strategies to increase how effective your collaboration is:

1. Collaboration training. Developing a collaborative culture across the organization through training that focuses on both technology and practices.

2. Integrating technology and content in projects. Interactive displays, collaboration software and conferencing software allows project teams to access information in real-time, write over everyday applications, like Autodesk Navisworks, and lets you work through problems as they come up at all stages of design and construction.

3. Capture usable results. The ability to reference notes and information from a project coordination session gives participants a better grasp of meeting outcomes. Session results are captured and automatically shared in a format that can be easily accessed, referenced, edited and used at a later date.

4. Quality remote collaboration. Easily connect expertise from any location and allow remote participants to share, contribute and collaborate on content as if they're in the same location. The technology should make it easy to bring in remote participants and for everyone to share their own software, content and notes with the group.

5. Creating collaboration spaces. To facilitate effective collaboration across all meeting types (1:1, formal presentations, informal discussions, etc.), there should a designated space for collaboration technology to support the type of work and outcomes required in each case.

Assess your collaboration practices today

Take the SMART Inspired Collaboration Assessment at
smarttech.com/inspiredcollaboration

Why take an Inspired Collaboration Assessment?

- Learn why organization that move from the lowest levels of collaboration maturity to higher levels can realize as much as a 92% increase in productivity, and a 62% reduction in expenses, according to cumulative results, from the assessment

- Receive a technology profile for your organization and learn how specific technologies have a measureable collaboration business value

- Learn why certain organizations consistently score the highest on collaboration best practices and how you can achieve similar results

- Learn to avoid the common mistakes that can reduce the business value of your collaboration investment

- See benchmarking details on how your organization's collaboration compares to other businesses in the AEC industry

Reseller Information

SMART® | Inspired Collaboration™