

'60 seconds to think' Dynamic Risk Assessment



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**350 YEARS,
350 REASONS TO BELIEVE
IN THE FUTURE**

350 YEARS OF HISTORY

1665 2015

Creation of
the Manufacture
royale des glaces

1665

Invention of glass
table casting

1688

Saint-Gobain expands
in Europe: Germany, Italy,
Belgium and Spain

1850
1900

Saint-Gobain diversifies
into new markets
and new products

1900
1950

Merger between
Pont-à-Mousson
and Saint-Gobain.
Ongoing
internationalization

1970

Refocus on materials
with a high technology
content and entry into
building distribution
and plasterboard

1990s

Saint-Gobain
focuses its
strategy on habitat

2007

Saint-Gobain
celebrates its
350th anniversary

2015



KEY FIGURES

Sales

€41 bn

Present in

66 countries

More than

180,000
employees



945
Production sites

79%
of sales
on the habitat market

Almost
4,400 sales outlets

One of the world's
100
most innovative companies*



*Source: Thomson Reuters



BECOME THE REFERENCE FOR SUSTAINABLE HABITAT



Saint-Gobain designs, manufactures and distributes high-performance and building materials providing innovative solutions to the challenges of growth, energy efficiency and environmental protection



STAKEHOLDER IN SUSTAINABLE CONSTRUCTION

Our vision for sustainable habitat



EMBLEMATIC PROJECTS



EMBLEMATIC PROJECTS

Insulation
and glazing

National Center for
the Performing Arts – China



Pipes, mortars and architectural
membrane



EMBLEMATIC PROJECTS

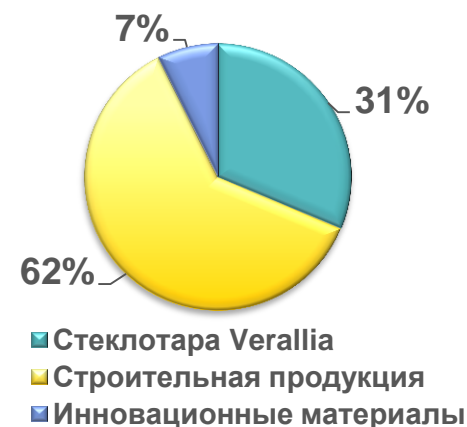


РАЗВИТИЕ «СЕН-ГОБЕН» В СНГ

- Выход на российский рынок: 1993 г.
- Открытие в 2003 г. первого в России завода «Сен-Гобен» по производству теплоизоляционных материалов на основе стекловолокна в г.Егорьевск Московской области
- Всего «Сен-Гобен» инвестировал 9 заводов (тепло- и звукоизоляционные материалы на основе стекловолокна и каменной ваты, сухие строительные смеси, гипсокартон)
- Развитие бизнеса в странах СНГ: Украина, Беларусь, Казахстан
- Внедрение стратегии Habitat
- Оборот в 2014 г.: около € 0,5 млрд., ↑3000 сотрудников
- Продолжаем развиваться: открытие R&D-центра на заводе по производству сухих строительных смесей в Егорьевске, покупка доли Isoroc (изоляция из минеральной ваты)



Открытие завода в Гомзovo



Анализ продаж в СНГ в 2014 г.



ПРОМЫШЛЕННЫЕ ОБЪЕКТЫ В СНГ



A COMMITTED COMPANY

Saint-Gobain's commitment is based on values that form the foundation of the Group's culture and guide its day-to-day activities

5

Principles of conduct:

- Professional commitment
- Respect for others
- Integrity
- Loyalty
- Solidarity

4

Principles of action:

- Respect for the law
- Caring for the environment
- Worker health and safety
- Employee rights



'60 seconds to think'

Dynamic Risk Assessment



'SCREENING' OF THE ANALYSIS

The risk analysis must take **real work** into account

The identification of hazardous situations takes place at the level of the **TASK**

- e.g. cleaning some equipment, resupplying a machine, checking a component, etc.

All activities carried out and potential activities must be covered, and especially:

- **Routine activities**
- **Non-routine activities**
- Activities related to the management of accident situations and emergency situations



ROUTINE ACTIVITIES AND NON-ROUTINE ACTIVITIES



Routine activity

nominal functioning, customary operations, scheduled maintenance and cleaning activities and any other scheduled activities



Non-routine activity

occasional, transitory and downgraded operations, unscheduled maintenance and cleaning activities and any other unscheduled activities



- 
- SAINT-GOBAIN
PAM UK
- 'On the job' SAFETY**
- THINK SAFETY - WORK SAFELY
"IT ONLY TAKES A MINUTE"



Before starting ANY task **STOP – THINK – PLAN**

Take a minute to ask **YOURSELF**

Are there any **HAZARDS** present that are not adequately **CONTROLLED**?

No	POSSIBLE HAZARD	No	POSSIBLE HAZARD
1	Isolation (Electrical, Mechanical, Stored Energy, etc.)	8	FLT & Mobile Work Equipment
2	Safe Access & Egress (Slips, Trips, Falls, Lighting, etc)	9	Working at Height / Roof Working
3	Manual Handling	10	Hazardous Substances (Dust, Fumes, Vapours, etc.)
4	PPE & Safety Equipment	11	Hot Working & Fire Prevention
5	Tools & Work Equipment	12	Overhead Hazards
6	Contact With Machinery	13	Confined Space Entry
7	Housekeeping & Waste	14	Other "Job Specific" Hazards



If **YOU** are in **ANY** doubt **ASK**
If you can't do it safely

DON'T DO IT



Перед началом выполнения работы **ОСТАНОВИСЬ-ПОДУМАЙ-СОСТАВЬ ПЛАН**
Задай **СЕБЕ** вопрос: все ли опасности **КОНТРОЛИРУЮТСЯ** должным образом?

№.	ПОТЕНЦИАЛЬНАЯ ОПАСНОСТЬ	№.	ПОТЕНЦИАЛЬНАЯ ОПАСНОСТЬ
1	Изоляция/отключение энергии	8	Погрузчики и средства передвижения
2	Безопасный доступ	9	Работа на высоте
3	Ручные операции	10	Вредные вещества (пыль, токсичные пары)
4	СИЗ и страховочные средства	11	Огневые работы
5	Инструменты и оборудование	12	Падение предметов с высоты
6	Контакт с машинами и оборудованием	13	Работа в замкнутых пространствах
7	Организация работы и поддержание порядка	14	Другие опасности, специфичные для данного вида работ



Если возникают хотя бы малейшие сомнения

НЕ ПРИСТУПАЙ К РАБОТЕ!



No	HAZARD	No	HAZARD
1	What precautions are you taking to ensure that ALL energy sources are isolated and that stored energy has been released?	8	Does the task require FLT's and/or other mobile plant? Is the task in an area where FLT's and/or mobile plant operate? Is there a possibility of collision? What precautions are you taking to eliminate/reduce risks?
2	Is there adequate access and egress to and from the work area? Is work area free from slip, trip & fall hazards? Is standard of lighting adequate for the task to be performed?	9	Does the task involve working at height/roof work? Is a permit necessary? If so, has permit been obtained? If not, do NOT proceed before obtaining permit.
3	Does the task involve hazardous manual handling operations (lifting & carrying)? Can they be avoided or risks reduced? Does the task require the use of mechanical lifting devices? Are all lifting appliances & tackle suitable for the task and do they have current test certification?	10	Does the task involve hazardous substances? Is all relevant safety information available? Are all requirements adhered to? Will the task create dust, fumes or vapours? Is work area adequately ventilated and exposure controlled?
4	What PPE & Safety Equipment have you identified as being necessary for the task? Is it available and in a serviceable condition?	11	Is there a risk of fire or explosion? Is a Hot Work permit necessary and obtained? If not necessary, what precautions are you taking to eliminate or reduce the risks?
5	Are tools & equipment necessary for the task? Are they in a safe condition with appropriate test certification? Are they only used for their designed task & in the designed manner?	12	Are there overhead hazards in and around the work area? Is task likely to come into contact with any such hazards? What precautions are you taking to eliminate/reduce risks?
6	Can impact with moving parts occur? Can entrapment between closing/passing motions occur? Can entanglement with moving parts occur? Can contact with sharp or abrasive surfaces occur? Could ejection of particles occur?	13	Is there a requirement to enter a confined space? If so, has permit been obtained? If not, do NOT proceed before obtaining permit.
7	What effects will the task have upon general housekeeping? Will the task develop waste? How will you manage and dispose of any waste generated?	14	Are there ANY other "Job Specific" risks which have not been identified above? What are they and how do you intend to manage them? Are there tasks that you are not competent/authorised to perform?



HAZ No:	<i>'On the job'</i> CONTROL MEASURES Don't forget always report any 'near misses' that have happened on the job
Additional Comments:	
Task Name Date	



CHALLENGE

- Plant manager challenged and asked what is '60 seconds to think' and how we could implement it !
- '60 second to think' was continually put down as a cause after an accident in the business!
- Typical words / comments being:

They should be encouraged to use their knowledge and experience, to assess their workplace, using risk assessment tools such as the '60 Seconds to Think'.

- *The correct application of the '60 seconds to think' risk assessment tool would have prevented this incident.*



HOW WE HAVE DEVELOPED '60 SECONDS TO THINK'

- We knew '60 seconds to think' was a mental risk assessment tool
- We needed to turn 60 seconds to think in to a workable tool
- It had to be recognisable, some thing that the guys on the shop floor could relate too
- How could we make it something that is part of everyone's day ?



RECOGNISABLE

We wanted an easy recognisable symbol

We developed the following logo and slogan



CONCEPT



The time increases ,No thought and you are in the red danger zone, high risk!



You take some time and the risk begins to reduce you are in the orange zone medium risk



You have taken more time and the risk level is reducing to low as you have considered the risks and in doing so put controls in place to ensure you do not get hurt !



TRAINING

- A cartoon training video was developed which got the message across of what '60 seconds is and its importance
- We also wanted to make the training relevant to their every day activity

[SG_BG_60_Sec_1_Titled_Rus_1_Final.mp4](#)

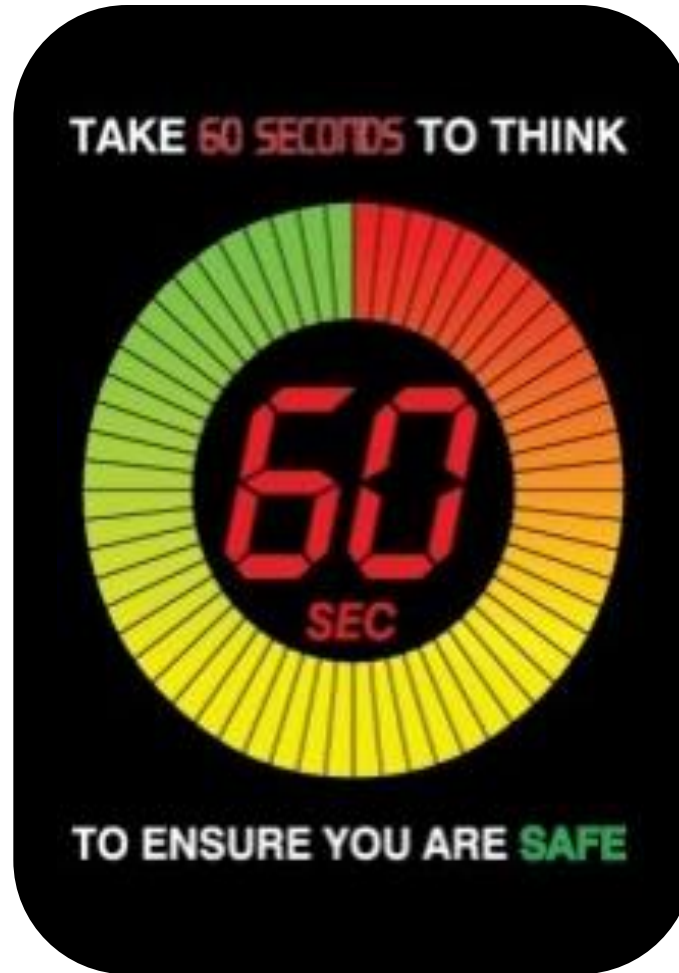


SPECIFIC TRAINING

- As well as the cartoon to brief out the concept we also wanted the training to be specific to individual's and when it would be relevant to them
- To enable us to do this we videoed / photographed every day scenarios.



EXAMPLE OF SCENARIO



60 СЕКУНД ПОДУМАЙ

ПЕРЕД ВЫПОЛНЕНИЕМ РАБОТ!

Прежде чем приступить к выполнению работ, задумайся о тех действиях, которые позволят избежать рисков или предотвратят несчастный случай!

Прежде, чем приступить к выполнению работ проведи анализ рисков, ответь на вопросы:

- Четко ли определен план выполнения работ?
- Знаю ли я, что и как нужно делать?
- Есть ли необходимая техническая информация?
- Определил ли я все возможные риски при выполнении работ?
- Проинформированы ли мои коллеги о работах, которые будут проводиться?
- Можно ли выполнить эту работу по-другому?
- Выполнение работ связано с минимальными рисками для меня?
- Выполнение работ не будет создавать опасность моим коллегам (окружающим)?
- Правильно ли выбрано количество человек для выполнения работ?
- Все ли имеют необходимые навыки и знания для безопасного выполнения работ?
- Учтены ли правила эргономики (положения при выполнении работ)?
- Есть ли необходимое оборудование для безопасного выполнения работ?
 - ▣ оборудование (люльки, платформы, лебедки, замки безопасности ...)
 - ▣ нужный инструмент
 - ▣ СИЗ
- Отключено ли оборудование, на котором проводятся работы?
- Предприняты ли все необходимые предупредительные мероприятия?

Цель: ноль несчастных случаев

Задача самооценки безопасности

Что может меня травмировать?
Воздействие ударов
Удары, столкновения, что может произойти: выше, ниже в, между

Падения
На том же уровне: скольжение, спотыкание, неустойчивость
С высоты

Энергия
Электрическая, гидравлическая, механическая от одежды

Позы
При поднятии при толкании/вытягивании
При переносе тяжести на одну ногу

Неудобства
Химические продукты, опасности, атмосферные условия, температура, вибрация и т.д.



**ЕСЛИ ХОТЬ ОДИН ИЗ ПУНКТОВ ВЫ НЕ ПРОВЕРИЛИ ИЛИ НЕ ОТВЕТИЛИ УТВЕРДИТЕЛЬНО
– согласуйте Ваши действия с РУКОВОДИТЕЛЕМ!**

Вы имеете не только право, но и обязанность в любое время сказать STOP в целях безопасности!



RESULTS

- 60 seconds to think is known by all on site
- SMAT observers use this in their discussions
- People reference '60 seconds to think' prior to carrying out activities
- There has been an increase in the number of OTJRA completed



FUTURE RE-ENFORCEMENT

- It's a tool and training that could be completed on a yearly basis , because different specific scenario's can be delivered each time
- It can be used when discussing safety warnings / incidents from around the business to emphasis its importance
- Site specific training videos being created



THANK YOU!

