

Scenario Descriptions and Learning Outcomes.



FLASHGROUP

Scenario Book

 **Darley**[®]

firesalesteam@darley.com

Theme 1: Basic Principles	2	Practice: Premade Scenes	20
Chapter A: Firefighting	2	Highway	20
Lesson 1: Reconnaissance 1	2	Gelkoh	20
Lesson 2: House Fire	3	Leidseplein	21
Chapter B: Reconnaissance	4	Car Crash	21
Lesson 1: Characteristics	4	Marnixstraat	22
Lesson 2: Reconnaissance 2	5	First-Floor Couch Fire *	22
Lesson 3: Reconnaissance 3	6	First-Floor Bed Fire ***	22
Lesson 4: Communication	7	Bed Blowout Fire *****	22
Lesson 5: Reconnaissance 4	8	First-Floor Bed Fire *****	22
Lesson 6: Reconnaissance 5	9	Metro Station	23
Chapter C: Deployment Exercises	10	Metro Crash	23
Lesson 1: Communication	10	Office	24
Lesson 2: Transitional Attack 1	11	Office Explosion	24
Lesson 3: Transitional Attack 2	12	Porch Flat	25
Lesson 4: Transitional Attack 3	13	Bed Fire *	25
Lesson 5: Massive Attack	14	Bed Fire, Victim ***	25
		Couch Fire ***	25
Theme 2: Energy Transition	15	Bed Blowout Fire, Victim *****	25
Chapter A: Battery Fires	15	Porch Flat, Garage	26
Lesson 1: Mobility Scooter	15	Electric Vehicle Fire *****	26
Chapter B: Solar Panels	16	ER Fire *****	26
Lesson 1: Falling Panel	16	Safety Village	27
Chapter C: ESS	17	Starting Couch Fire *	27
Lesson 1: ESS Farm	17	Oven Fire in the Kitchen *	27
Lesson 2: Inverter	18	Couch Fire in the Living ***	27
Lesson 3: ESS Light	19	Couch Blowout Fire *****	27
Lesson 4: ESS Medium	19	Solar Park	28
Lesson 5: ESS Heavy	19	Container Fire ***	28
		Urban Residence	29
		Fire in the Kitchen *	29
		Fire in the Kitchen *	29
		Oven Fire in the Kitchen ***	29
		Oven Blowout Fire *****	29



Theme 1 Basic Principles

The core of safe and effective deployment, with methods such as reconnaissance, analysis, control, and application of the right tactics.



Chapter A, Lesson 1 Reconnaissance 1

Exterior reconnaissance and the shortest route to the fire.

About this Theme

The basic principles are the core of safe and effective deployment. This theme covers methods such as exterior reconnaissance, fire behavior analysis, smoke control, and the application of firefighting tactics to minimize risk and maintain control of fire incidents.

About this Chapter

The basic principles of firefighting, including exterior reconnaissance, fire power, cooling capacity, and the use of the thermal imaging camera.

What will I learn in this scenario?

Learn how to conduct an exterior reconnaissance and use that information to determine the fastest and safest route to the fire.

About this scenario

A small fire has been reported on a balcony in a porch flat. The TS arrives and must perform an exterior reconnaissance to analyze the fire characteristics and building structure. The team must then determine which route to the fire is the fastest and safest.



Chapter A, Lesson 2 House Fire

A house fire in an apartment complex.

What will I learn in this scenario?

Learn how to perform an exterior reconnaissance and estimate the fire load and required cooling capacity based on fire characteristics.

About this scenario

A fire has broken out in a complex apartment block. Upon arrival, the TS must carry out an exterior reconnaissance to identify fire characteristics and assess the situation. Subsequently, a calculation must be made of the fire power and the required cooling capacity. Based on this data, the commander makes a decision on the extinguishing operation.





Chapter B, Lesson 1 Characteristics

Recognizing the characteristics of the fire and the building.

About this Chapter

Learn how to conduct an exterior reconnaissance, how to analyze fire and building characteristics, and how to communicate this information to the commander.

What will I learn in this scenario?

Learn how to conduct an exterior reconnaissance and analyze fire and building characteristics to determine deployment strategy.

About this scenario

A fire alarm in an apartment building. The TS arrives on site and performs an exterior reconnaissance. The participants observe smoke development, fire spread, and building characteristics. They must analyze this information and communicate it correctly to the commander.





Chapter B, Lesson 2 Reconnaissance 2

Exterior reconnaissance
of a possible barn fire.

What will I learn in this scenario?

Practice an outdoor reconnaissance and determine the shortest route to the source of the fire.

About this scenario

There is a report of a possible barn fire on a farm, but upon arrival, it turns out that the fire is at the back of the property. The participants must locate the fire and determine how they can reach and fight the fire the fastest.





Chapter B, Lesson 3 Reconnaissance 3

Exterior reconnaissance
of a catering establishment.

What will I learn in this scenario?

Learn how to conduct an exterior reconnaissance in the event of a fire in a small catering establishment.

About this scenario

A fire has been reported in a small catering establishment. The participants must perform an outdoor reconnaissance, identify fire and building features, and determine the shortest route to the source of the fire.





Chapter B, Lesson 4 Communication

Exterior reconnaissance
and communication.

What will I learn in this scenario?

Practice structured exterior reconnaissance
and correctly report findings via walkie-talkie.

About this scenario

The TS arrives at a house fire in a terraced house. The team splits into two groups: one group explores the house clockwise, the other counter-clockwise. They communicate their findings via walkie-talkie to the commander, who is at a distance and makes a situation overview.





Chapter B, Lesson 5 Reconnaissance 4

Exterior reconnaissance of a porch flat with an underground garage.

What will I learn in this scenario?

Exterior reconnaissance in the event of a fire alarm in a porch flat with smoke development on the ground floor.

About this scenario

The TS arrives at a porch flat. Smoke is visible on the ground floor in an apartment. The group splits into two teams: one team investigates the smoke development and access, the other team inspects the stairwell and possible smoke spread in the apartments. Findings are communicated to the commander via the walkie-talkie.





Chapter B, Lesson 6 Reconnaissance 5

Exterior reconnaissance
of an office building.

What will I learn in this scenario?

Practice an exterior reconnaissance and correctly transfer information to the commander in the event of a fire in an office building.

About this scenario

There is a report of a fire in an office building. Smoke is visible on the first floor. The participants must perform a full exterior reconnaissance, analyze observations and make a report for the commander.





Chapter C, Lesson 1 Communication

Communication during an exterior reconnaissance and a transitional attack.

About this Chapter

In this chapter, participants will learn the core principles of an offensive outdoor deployment, including transitional attack (TA), massive attack, direct extinguishment, and effective communication during an deployment.

What will I learn in this scenario?

Practice structured exterior reconnaissance and clear communication via walkie-talkie.

About this scenario

The TS arrives at a house fire in a terraced house. The first task is a complete exterior reconnaissance and communication of observations via the walkie-talkie to the commander. The fire is spreading on the first floor at the rear.





Chapter C, Lesson 2

TA 1

A transitional attack in a terraced house.

What will I learn in this scenario?

Learn how to perform a transitional attack in a house fire.

About this scenario

The fire is raging on the first floor at the front. The TS must perform a transitional attack by means of a quick knock-down from the outside, followed by an interior attack.





Chapter C, Lesson 3

TA 2

A transitional attack in a porch flat.

What will I learn in this scenario?

Learn how to perform a transitional attack in a house fire in a porch apartment with a fire spreading to the first floor.

About this scenario

The fire department receives a report of a blazing fire in an apartment on the first floor of a porch flat. Upon arrival, it is visible that the fire is blazing and that smoke is spreading in the stairwell. The team must perform a transitional attack to get the fire under control as quickly as possible and then switch to an interior deployment.





Chapter C, Lesson 4 TA 3

A transitional attack in a porch flat with blowout.

What will I learn in this scenario?

Apply a transitional attack to a raging fire that has spread to the second floor.

About this scenario

The fire department arrives at a porch flat where a blazing fire has started on the first floor and has spread to the second floor. The smoke development is intense and is spreading through the stairwell and possibly to the top floor. The team must perform a transitional attack and decide how to tackle the blowout.





Chapter C, Lesson 5 Massive Attack

A massive attack in a terraced house.

What will I learn in this scenario?

Practice a massive attack followed by immediate extinguishing of a raging fire on the ground floor.

About this scenario

The fire is raging on the ground floor at the front of a terraced house. The team must make a massive attack through the window, followed by direct extinguishment through the front door.





Theme 2 Energy Transition

Scenarios related to new techniques and forms of energy use.



Chapter A, Lesson 1 Mobility Scooter

A burning battery of a mobility scooter in the porch of a porch flat.

About this scenario

After a report of a fire, your firefighting team has been alerted to carry out firefighting activities on a burning mobility scooter at the entrance of an apartment complex.

During the deployment, you are confronted with the dangers of a lithium battery fire. You must also use your breathing apparatus and other PPE because of the possible IBGS hazard. The action perspective for this repressive deployment can be found in the (ARO) attention card for repressive action energy transition.





Chapter B, Lesson 1 Falling Panel

Fire on a roof covered with solar panels.

About this scenario

After a report of a fire in the attic of a home, the first firefighting team must take action to extinguish the fire and prevent it from spreading. You are a member of the first firefighting team and are called upon to do this job.

During this scenario, you are confronted with the dangers of a fire involving solar panels in a home. The action perspective for this repressive action can be found in the (ARO) attention card for repressive action on solar panels.

What will I have learned by the end?

- What are the **dangers** of a fire on a roof covered with solar panels?
- What is the **perspective for action** in the event of a fire on a roof covered with solar panels?





Chapter C, Lesson 1

ESS Farm

Fire on a farm caused by the storage system of an electric car.

About this scenario

After a report of a fire in a home battery/storage system, the first firefighting team must take action to extinguish the fire and prevent it from spreading. You are a member of the first firefighting team and have been called upon to do this job.

During this scenario, you are confronted with the dangers of a storage system in a roof of an outbuilding on a farm. The action perspective for this repressive action can be found in the (ARO) attention card for repressive action on energy transition.

What will I have learned by the end?

- What are the **dangers** in a fire involving an ESS?
- How do I **deal** with a home battery/ESS that is involved in a fire?
- What is the **perspective for action** in the event of a fire with an ESS?





Chapter C, Lesson 2 Inverter

A burning inverter
at a solar park.

About this scenario

After a report of a fire in a plot full of solar panels, the first firefighting team must take action to extinguish the fire and prevent it from spreading. You are a member of the first firefighting team and have been called upon to do this job.

During this scenario, you are confronted with the dangers of a fire on a solar panel park. The action perspective for this repressive action can be found in the (ARO) attention card for repressive action on energy transition.

What will I have learned by the end?

- What is the [perspective for action](#) in the event of a burning inverter at a solar park?





Chapter C, Lesson 3
ESS Light

Fire in an electricity storage system, in a container, on a solar park.



Chapter C, Lesson 4
ESS Medium

Fire in an electricity storage system, in a container, on a solar park.



Chapter C, Lesson 5
ESS Heavy

Fire in an electricity storage system, in a container, on a solar park.

About this scenario

After a report of a fire in an ESS battery, the first firefighting team must take action to extinguish the fire and prevent it from spreading. You are members of the first firefighting team and have been called upon to do this job.

During this scenario, you are confronted with the dangers of an ESS on a solar panel park. The action perspective for this repressive action can be found in the (ARO) attention card for repressive action on energy transition.

What will I have learned by the end?

- What is the **course of action** in the event of a fire in an ESS at a solar park?





Practice Premade Scenes

Practice specific skills and train on realistic scenarios created by subject matter experts.



You are here Highway

Multi-lane highway with an adjacent parking lot.

More about this location

Multi-lane highway with an adjacent parking lot. On the parking lot, there are electric chargers, a toilet building, and picnic areas. The parking lot has an entry and exit to the highway.



Scenario Gelkoh

The textile recovery system for electric and hybrid vehicles. When recovering hybrid and electric vehicles, special safety precautions must be taken, as no reliable hazard assessment is possible during recovery and a reacting battery cannot usually be extinguished. For this purpose, Gelkoh has developed a textile recovery system for electric cars together with Ibenä and PPE.



📍 You are here
Leidseplein

Leidseplein with
a tram stop.

More about this location

Leidseplein with a tram stop.

There is a tram that you can view from the inside.



Scenario

Car Crash

A car has crashed into a group of people on the Leidseplein. The people saw the car swing around before it happened.



📍 You are here
Marnixstraat

In the Marnixstraat in Amsterdam, there is a row of tall, narrow houses.

More about this location

In the Marnixstraat in Amsterdam, there is a row of tall, narrow houses. Inside, there are steep stairs, narrow hallways, and multiple doors that separate rooms of different sizes. Through the basement, you can also access the back of the house. The buildings consist of three floors with one apartment on each floor.



Scenario Low Intensity
First-Floor Couch Fire

The participant can perform a reconnaissance of the building for an interior attack.



Scenario Medium Intensity
First-Floor Bed Fire

The participant can perform a reconnaissance at the front of the building and perform an offensive interior and exterior attack.



Scenario High Intensity (New)
Bed Blowout Fire

The participant will clearly see a blowout fire at the front of the building and perform an offensive exterior transitional attack.



Scenario High Intensity (Original)
First-Floor Bed Fire

The participant can perform a reconnaissance at the front of the building and perform an offensive interior and exterior attack.





📍 You are here
Metro Station

Multiple victims because of a derailed metro.

More about this location

Multiple victims because of a derailed metro.



Scenario
Metro Crash

Due to a system failure, the train has derailed in the metro station. There are multiple victims.



You are here
Office

A three-story building with roof access and adjacent parking.

More about this location

A three-story building with roof access and adjacent parking.



Scenario

Office Explosion

There was an explosion in an office building where they manufacture paint. There are multiple victims.



♀ You are here
Porch Flat

The porch flat environment focuses on a single apartment within a multi-unit building.

More about this location

The porch flat environment focuses on a single apartment within a multi-unit building. It is accessible via a staircase leading to a landing from which the apartment can be entered. Inside, there are numerous bedrooms and living rooms all connected by a single hallway. Any fire or smoke in rooms visible from the outside can be visually inspected without entering the structure. The balcony may make it difficult to get water from the outside into the adjacent room.



Scenario Low Intensity
Bed Fire

The participant can perform an all-round reconnaissance, an offensive interior attack, and extinguish the fire at a porch house.



Scenario Medium Intensity (Original)
Bed Fire, Victim

The participant can perform an all-round reconnaissance, an offensive interior attack, and extinguish the fire at a porch house.



Scenario Medium Intensity (New)
Couch Fire

The participant can perform an all-round reconnaissance, an offensive interior attack, and extinguish the fire at a porch house.



Scenario High Intensity
Bed Blowout Fire, Victim

The participant can perform an all-round reconnaissance, an offensive interior attack, and extinguish the fire at a porch house.





📍 You are here

Porch Flat, Garage

The porch flat consists of a flat with six apartments and an underground garage.

More about this location

The porch flat consists of a flat with six apartments and an underground garage. It is accessible via a public staircase leading to a landing from which the apartment can be entered. Inside, there are numerous bedrooms and living rooms all connected by a single hallway. Any fire or smoke in rooms visible from the outside can be visually inspected without entering the structure. The balcony may make it difficult to get water from the outside into the adjacent room.

Underneath the flat lies a garage that is reachable through the public staircase and an entrance at the back of the flat. In this garage, there are various vehicles.



Scenario High Intensity

Electric Vehicle Fire

The participant must perform an all-round reconnaissance. During this, they will see that the smoke and fire are developed in such a way that it is not safe to enter the parking garage. The player needs to decide what to do and may have to choose to evacuate the building above that is already starting to fill up with smoke.



Scenario High Intensity

ER Fire

The participant has to find the fire and deal with it as correctly and safely as possible.





📍 You are here
Safety Village

The safety village is a virtual recreation of an official fire department training environment.

More about this location

The safety village is a virtual recreation of an official fire department training environment. It features two sides that are constructed like a container home, each with multiple individual rooms and potential hazards.



Scenario Low Intensity (New)
Starting Couch Fire

The participant can perform an all-round reconnaissance and perform an offensive or defensive interior and exterior attack.



Scenario Low Intensity (Original)
Oven Fire in the Kitchen

The participant can perform an all-round reconnaissance and perform an offensive or defensive interior and exterior attack.



Scenario Medium Intensity
Couch Fire in the Living

The participant can perform an all-round reconnaissance and perform an offensive or defensive interior and exterior attack.



Scenario High Intensity
Couch Blowout Fire

The participant can perform an all-round reconnaissance and perform an offensive or defensive interior and exterior attack.





📍 You are here
Solar Park

An enclosed area of land for the generation of solar energy.

More about this location

An enclosed area of land for the generation of solar energy. The area has a large field with solar panels. There is a dirt road for easy access to all parts of the park. At the solar park, there is a container with controls and regulators. Power inverters are present for each row of solar panels.



Scenario Medium Intensity
Container Fire

At the solar park, there is a container with controls and regulators. In this container, there has been an electronic overload on the safety circuits. The fire inside of the container is reachable from the air vents on the outside.





📍 You are here

Urban Residence

This terraced house environment depicts a typical Dutch house in a residential area.

More about this location

This terraced house environment depicts a typical Dutch house in a residential area. Solar panels on the roof may add an additional level of complexity when dealing with a fire. The houses have a frontyard and a backyard. On the ground floor, there is a large open space with a kitchen at the back of the building. Upstairs, there are bedrooms and a shower room.



Scenario Low Intensity (New)

Fire in the Kitchen

The participant can perform a reconnaissance at the front of a terraced house and perform an offensive interior attack.



Scenario Low Intensity (Original)

Fire in the Kitchen

The participant can perform a reconnaissance at the front of a terraced house, but cannot perform an offensive interior attack.



Scenario Medium Intensity

Oven Fire in the Kitchen

The participant can perform a reconnaissance at the front of a terraced house and perform an offensive interior attack.



Scenario High Intensity

Oven Blowout Fire

The participant can perform a reconnaissance at the front of a terraced house and perform an offensive interior attack.



Author Flashgroup XR, Darley
Publisher Self-published
Date May 2025
Edition First edition, 1.2



 Email firesalesteam@darley.com
 Phone 630-735-3500
 Website shop.darley.com/SimT

