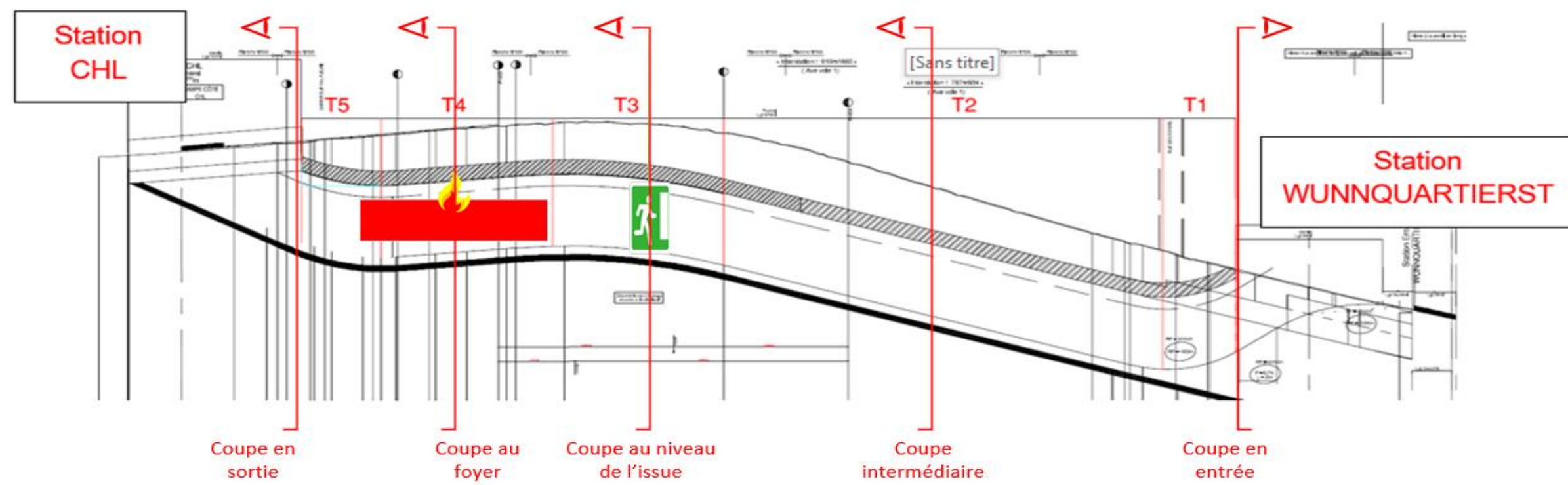


**Luxtram**  
**Etude Simulation Incendie**  
**Annexe 5 :**  
**Planches de Résultats du scénario 5**



Localisation des différentes coupes dans l'ouvrage

# Concentration en monoxyde de carbone

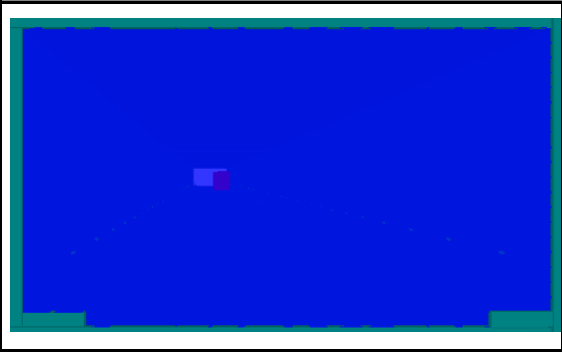
Scénario 5 : Incendie 10 MW - T = 0 s



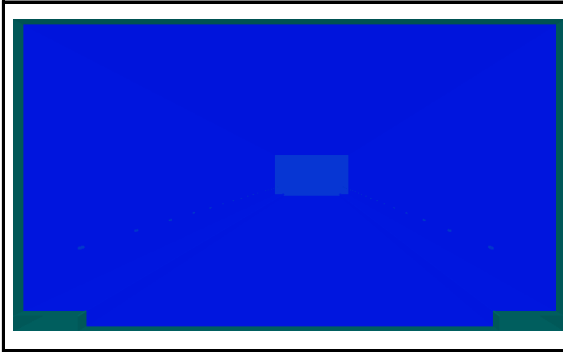
Coupe longitudinale



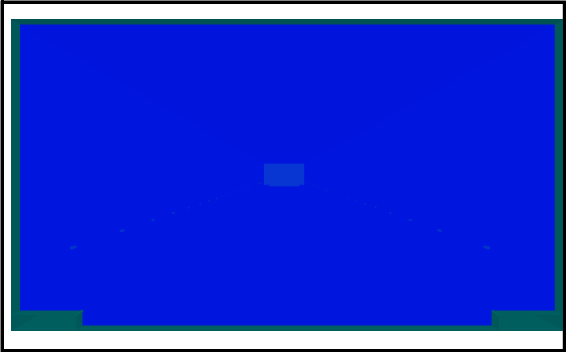
Vue à hauteur d'Homme (z=2m)



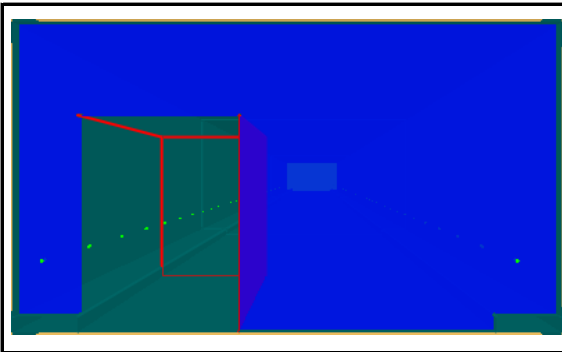
Coupe en entrée



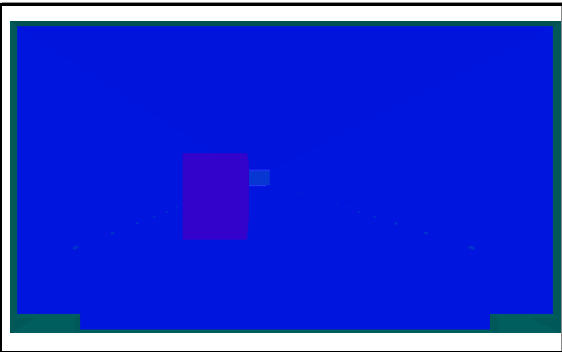
Coupe intermédiaire



Coupe au niveau de l'issue

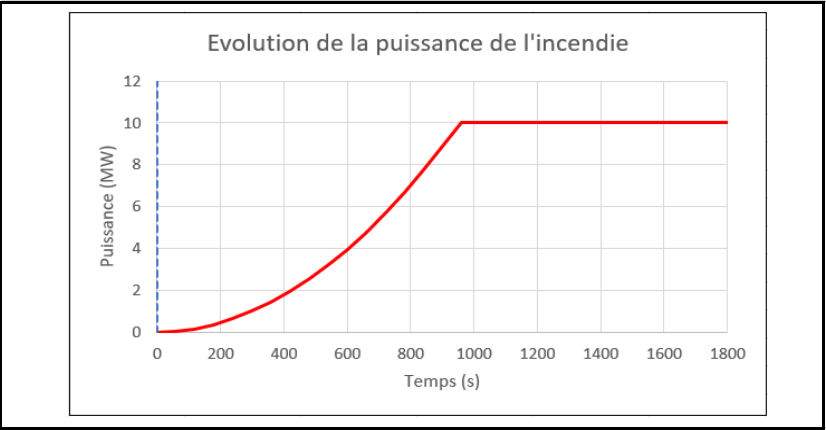
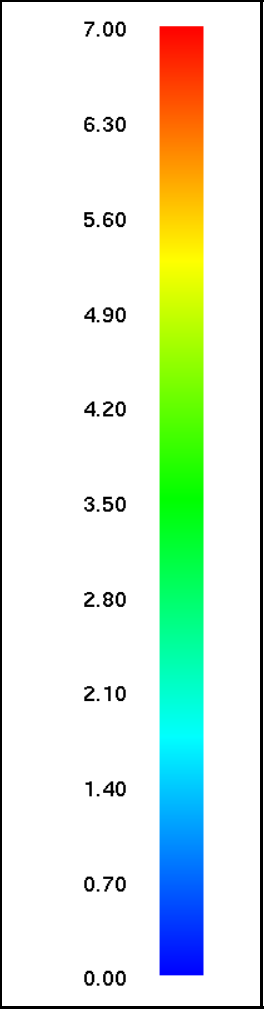


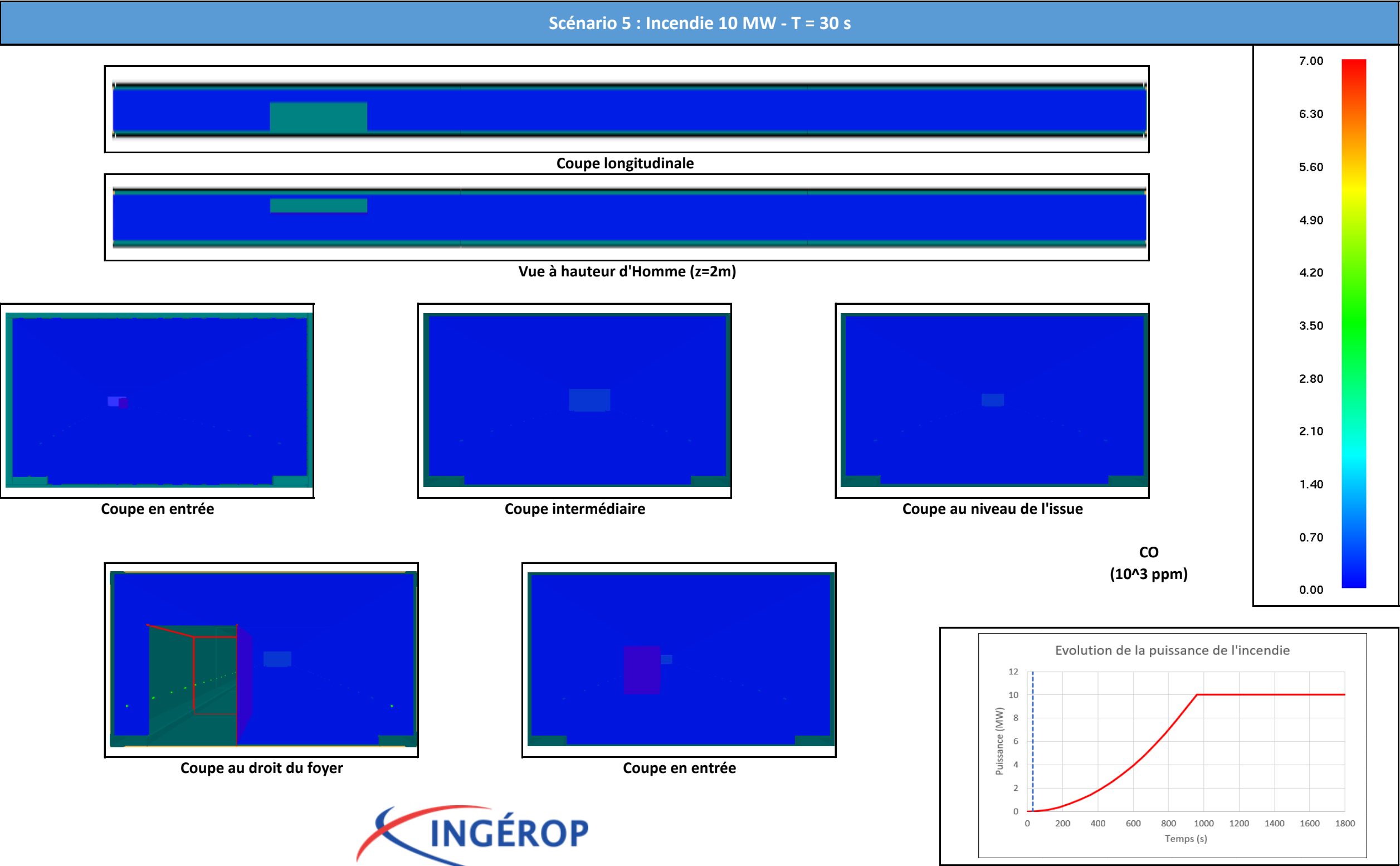
Coupe au droit du foyer



Coupe en sortie

CO  
(10<sup>3</sup> ppm)





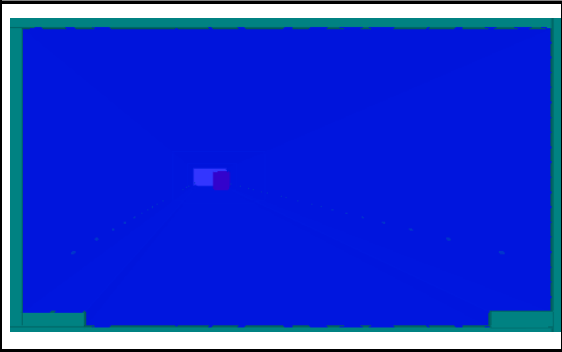
Scénario 5 : Incendie 10 MW - T = 60 s



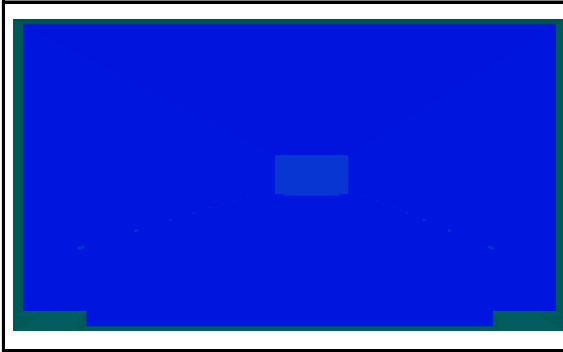
Coupe longitudinale



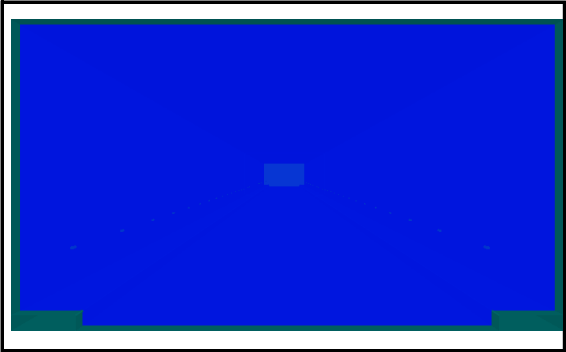
Vue à hauteur d'Homme (z=2m)



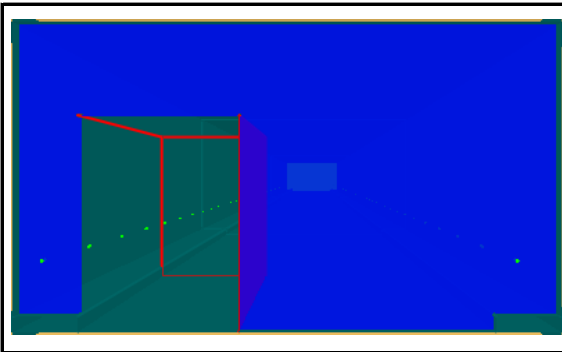
Coupe en entrée



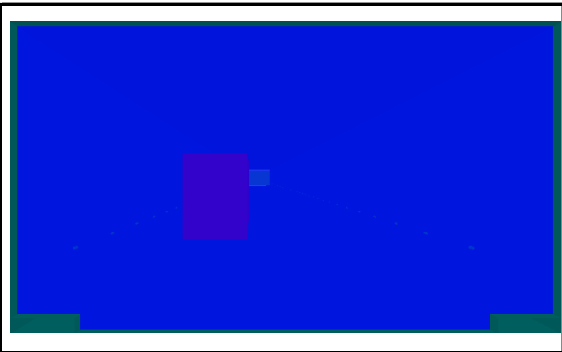
Coupe intermédiaire



Coupe au niveau de l'issue

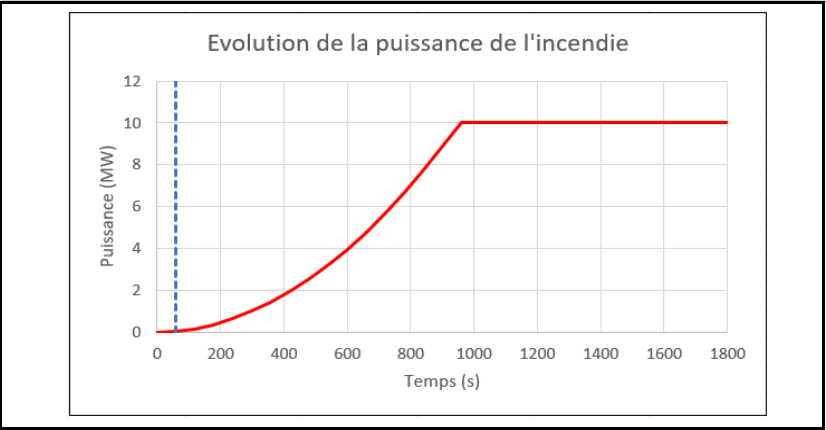
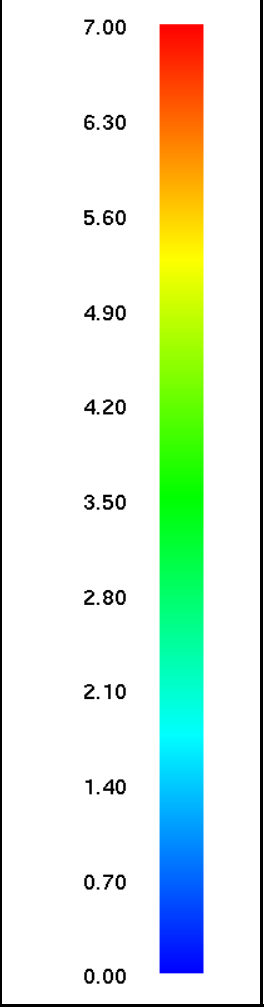


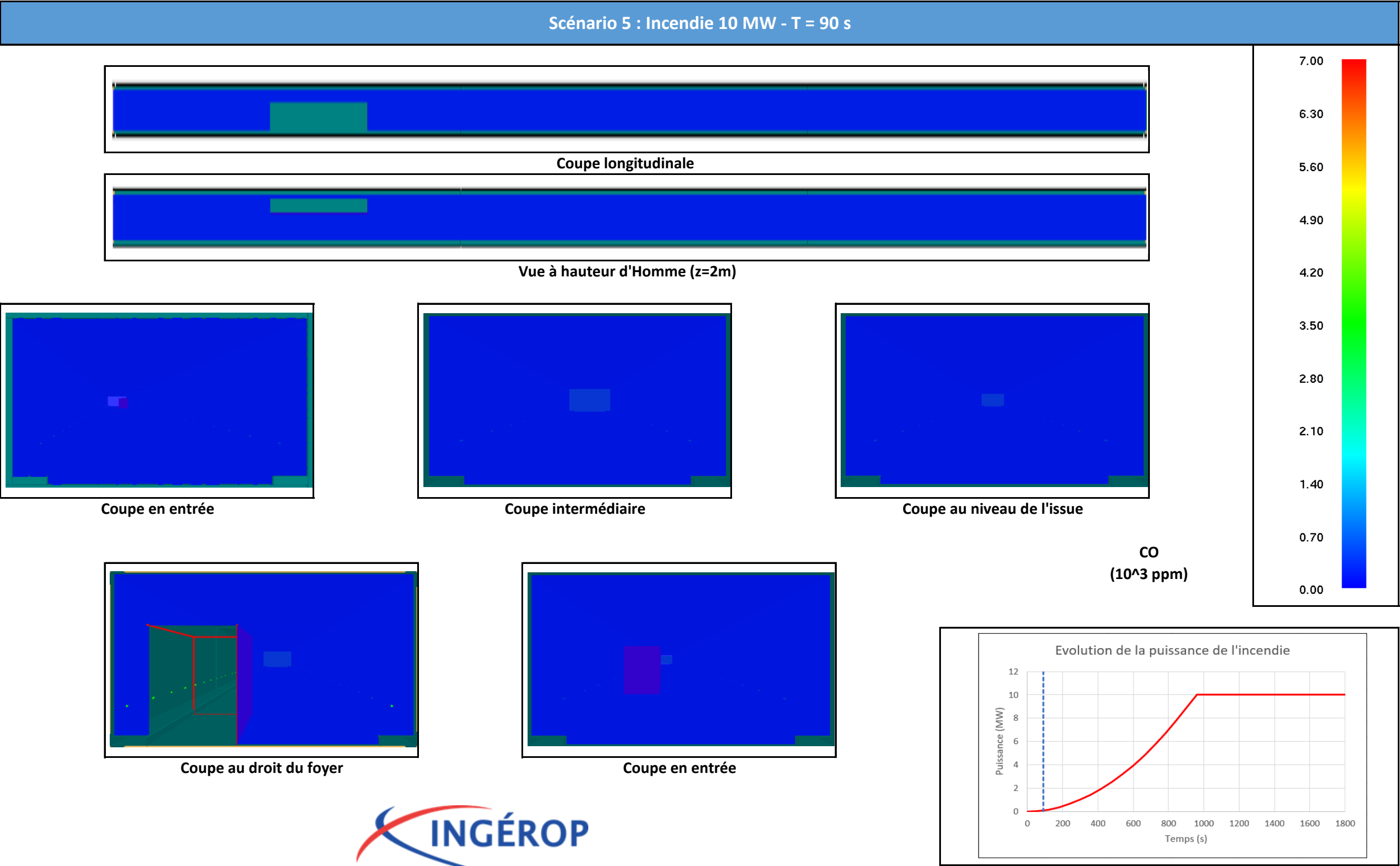
Coupe au droit du foyer

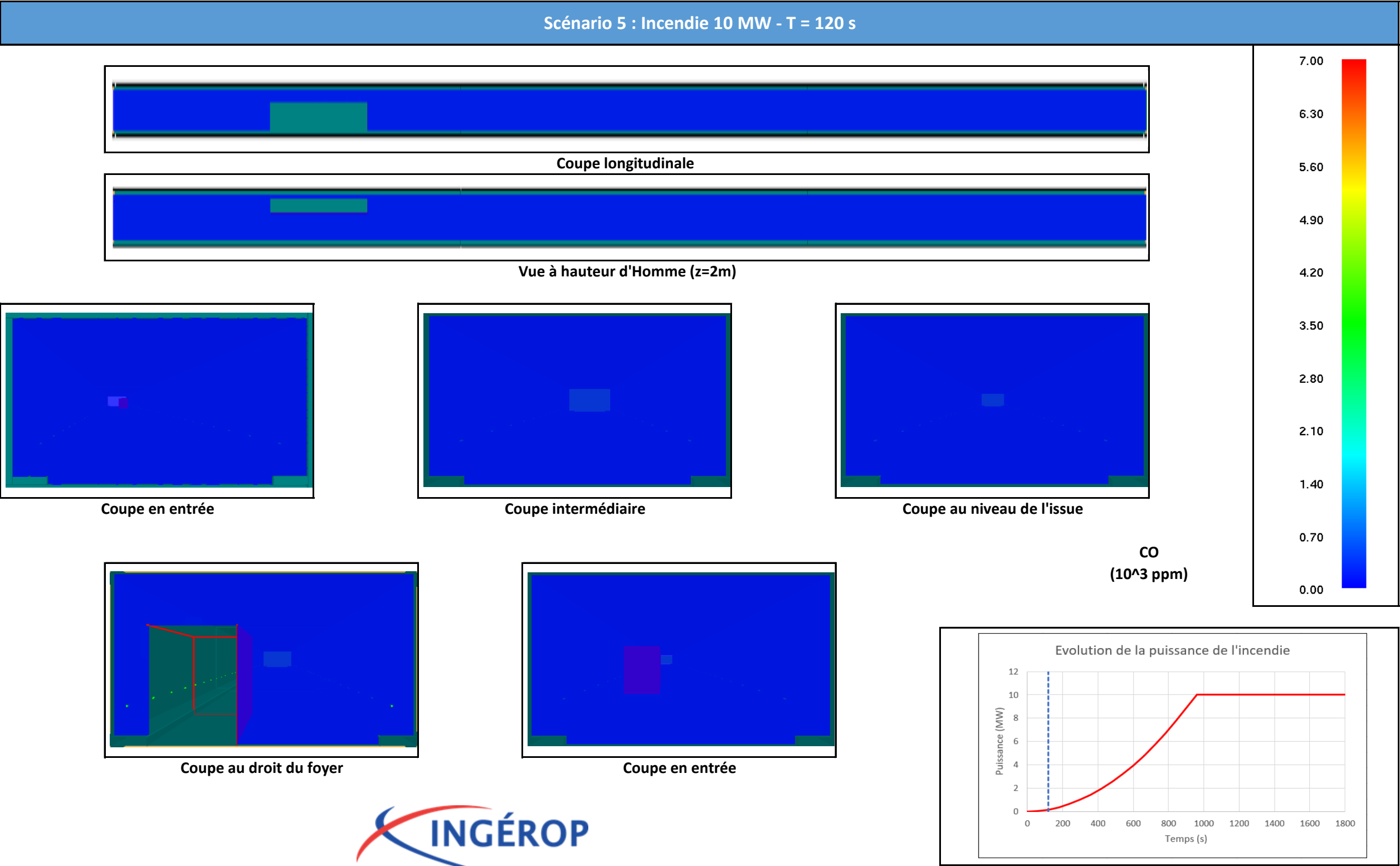


Coupe en entrée

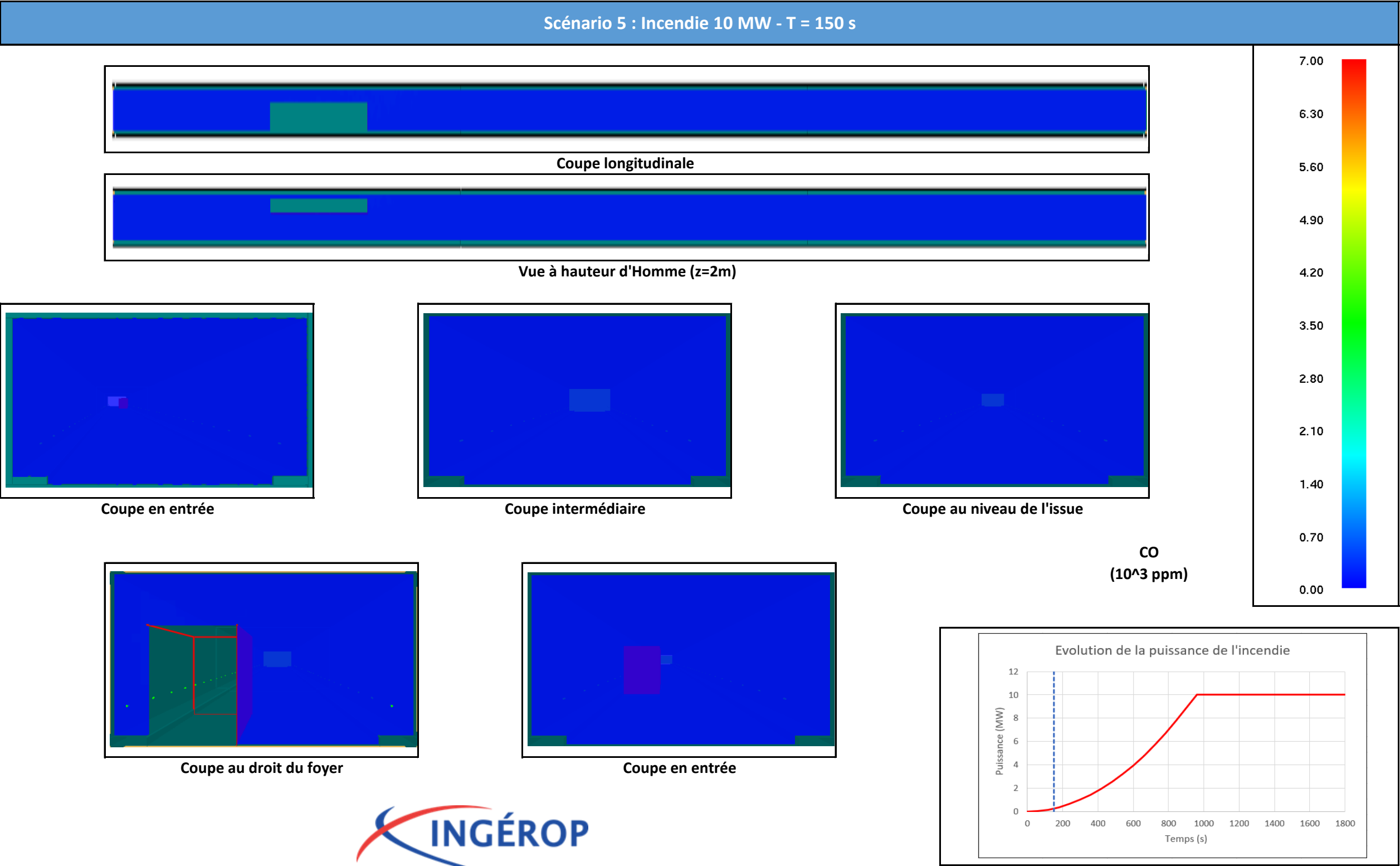
CO  
(10<sup>3</sup> ppm)

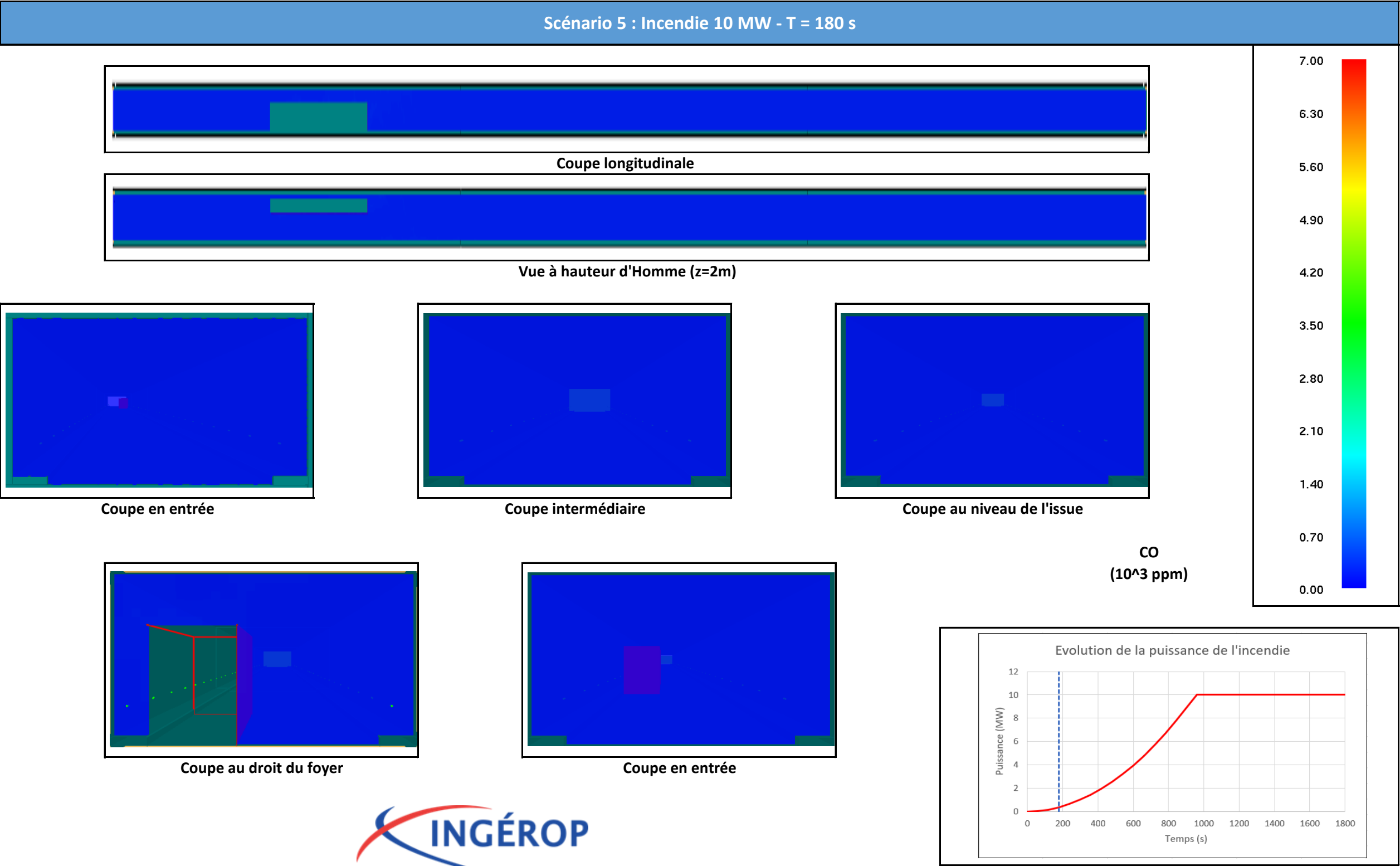


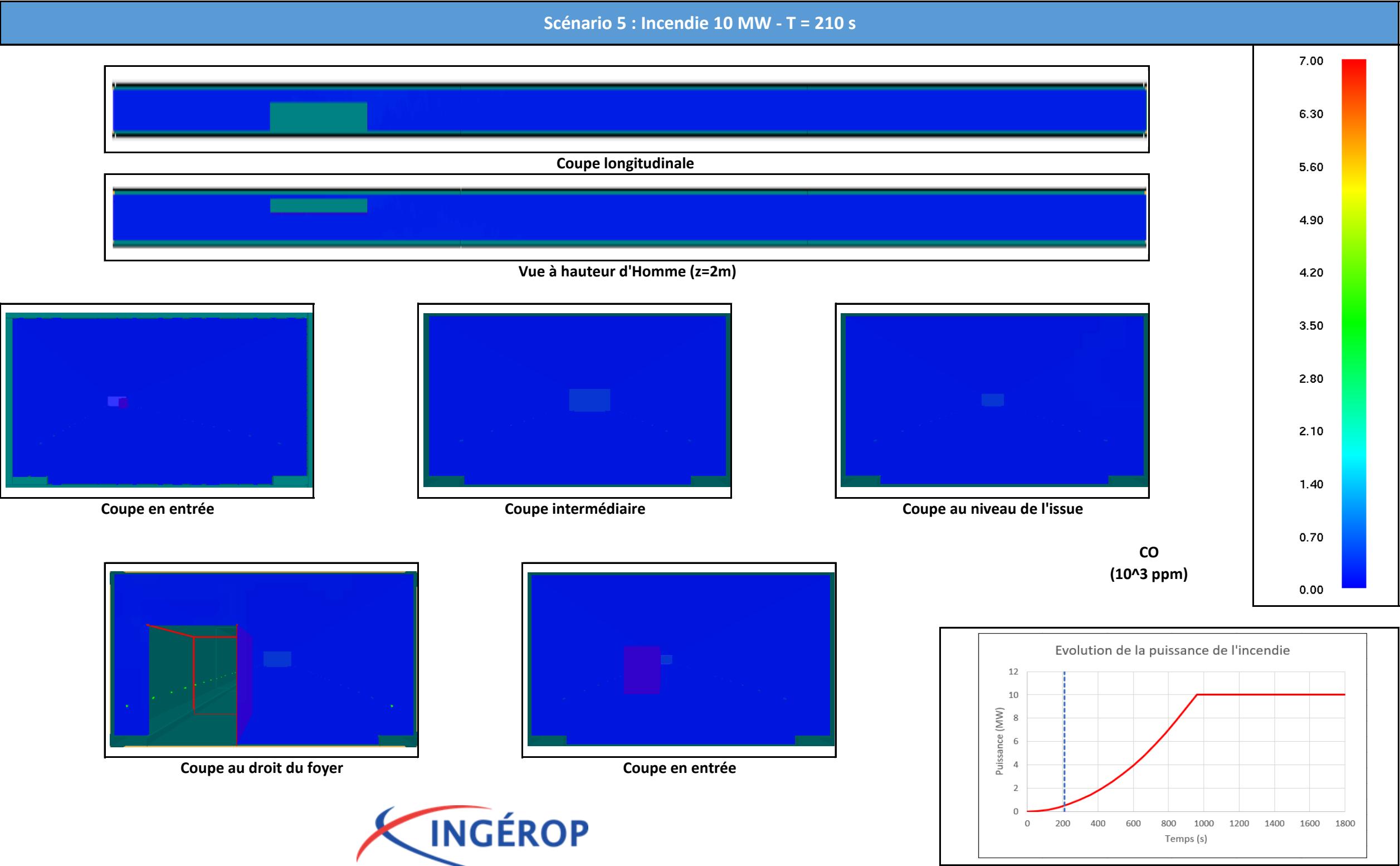


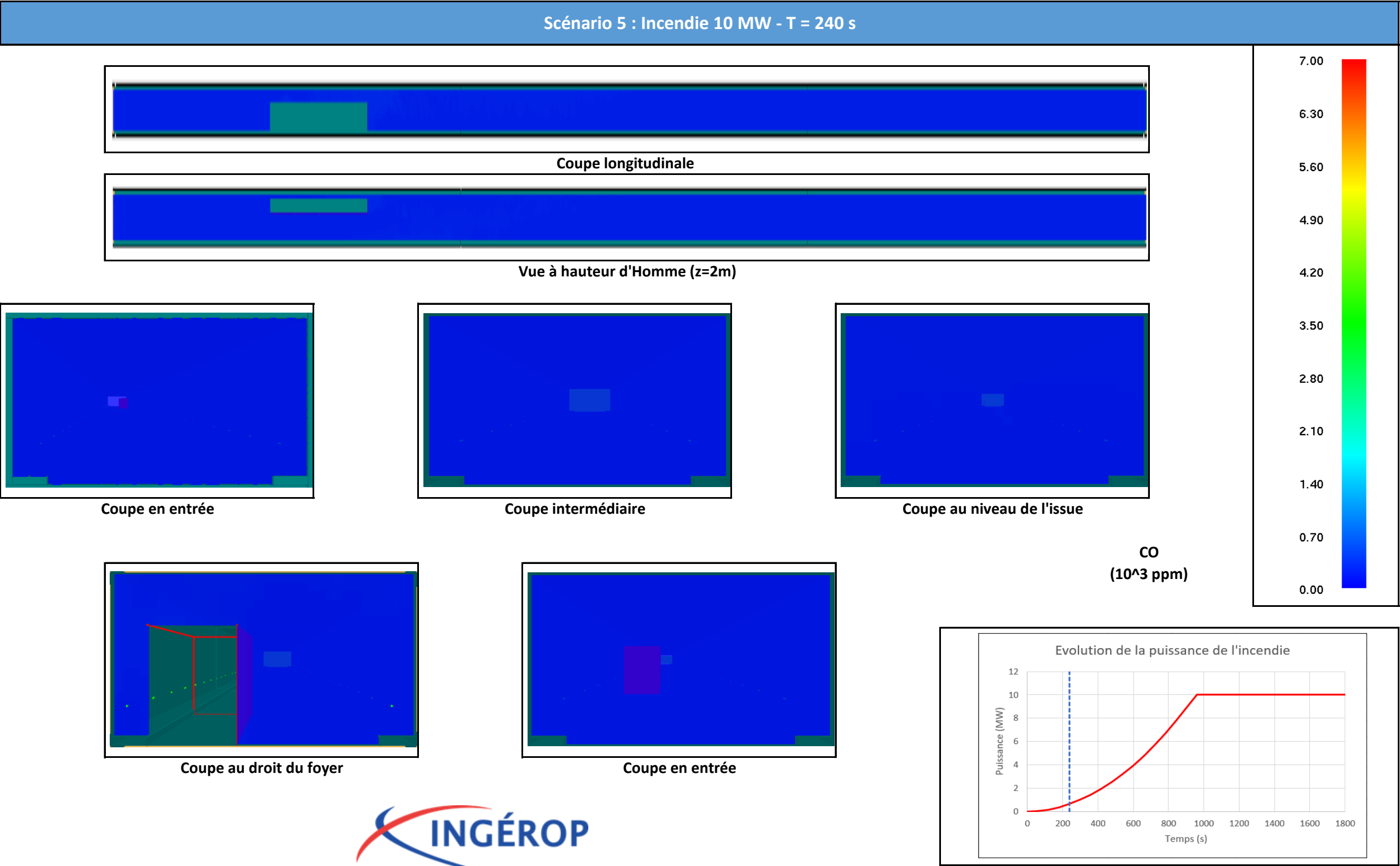


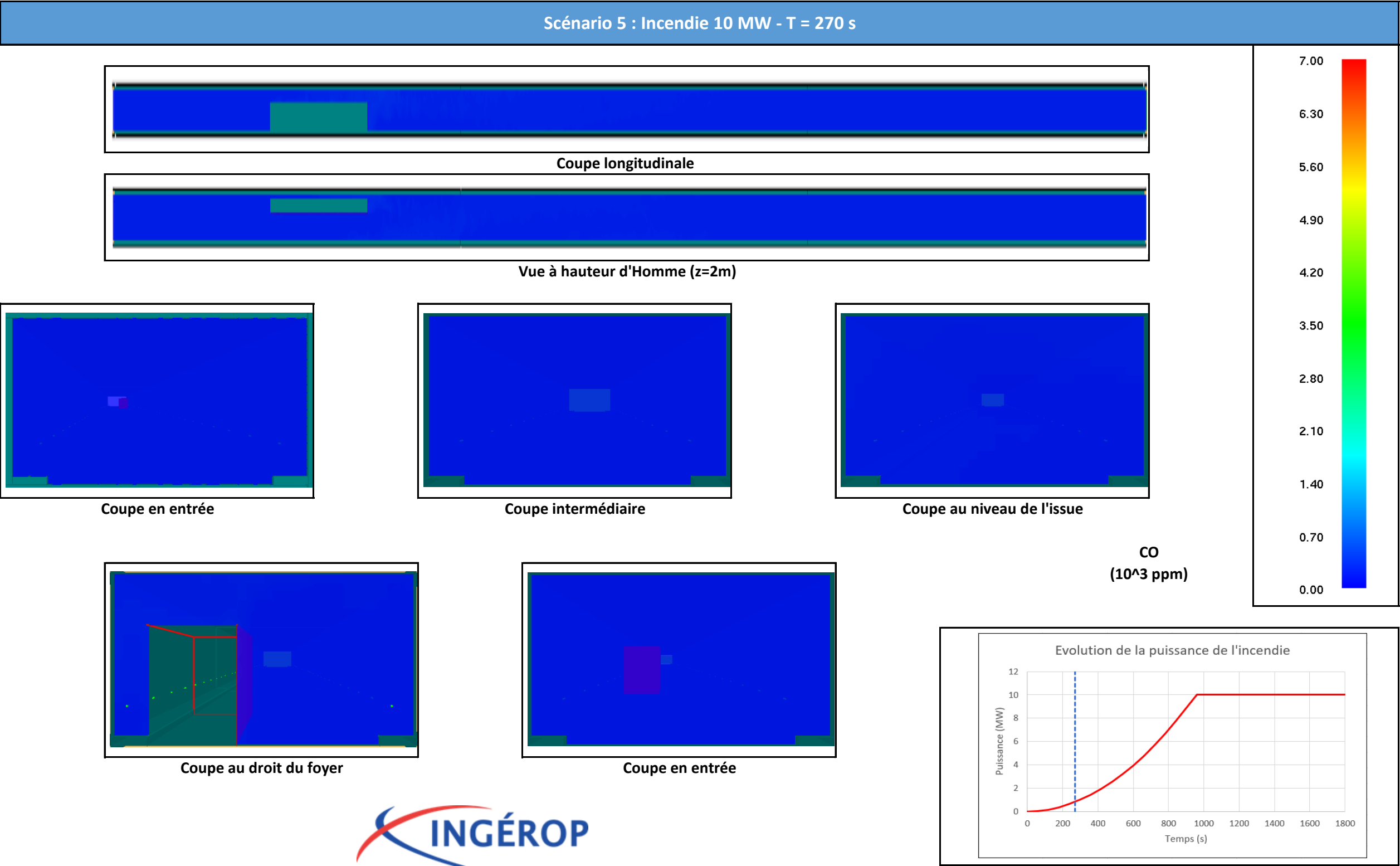


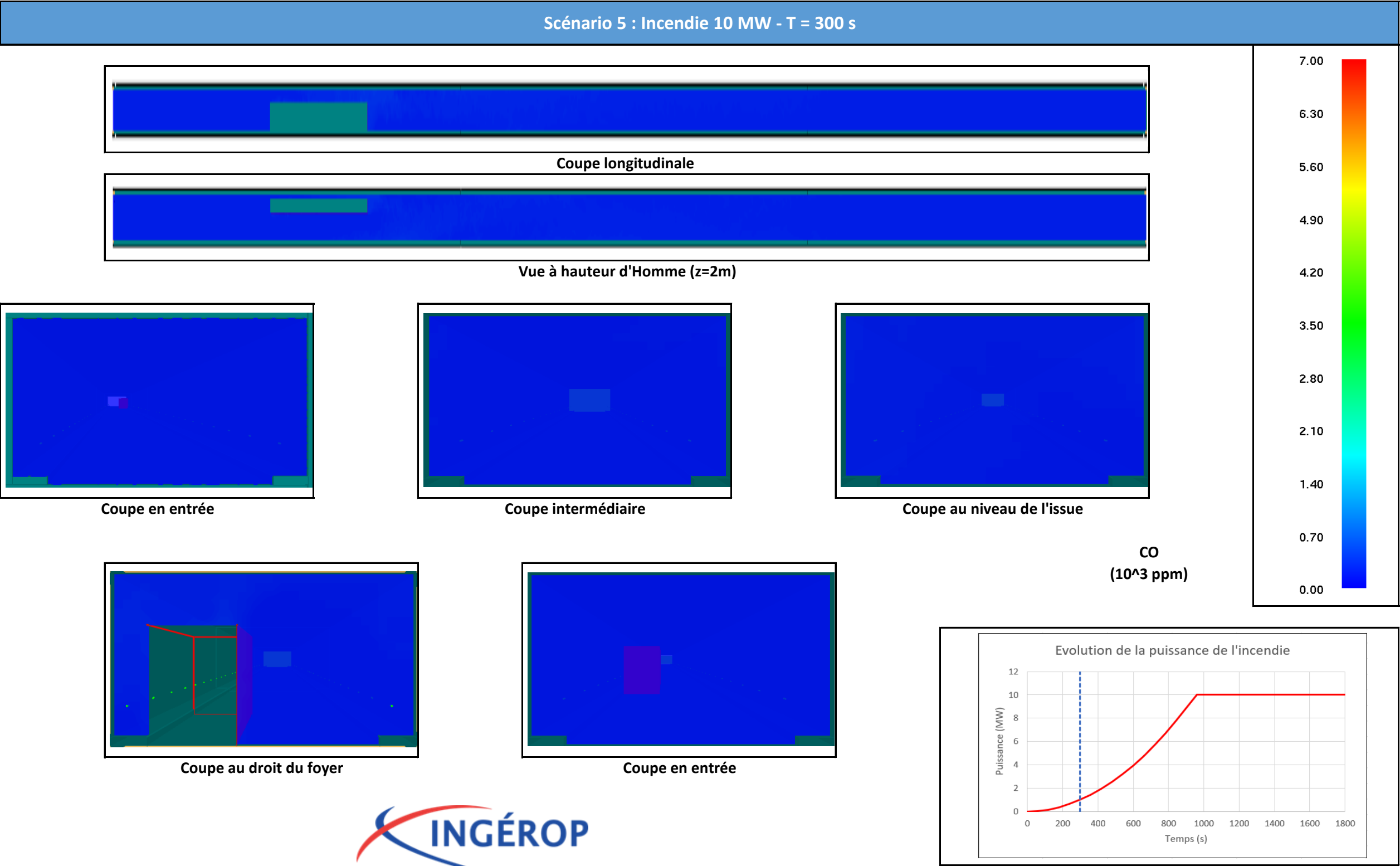


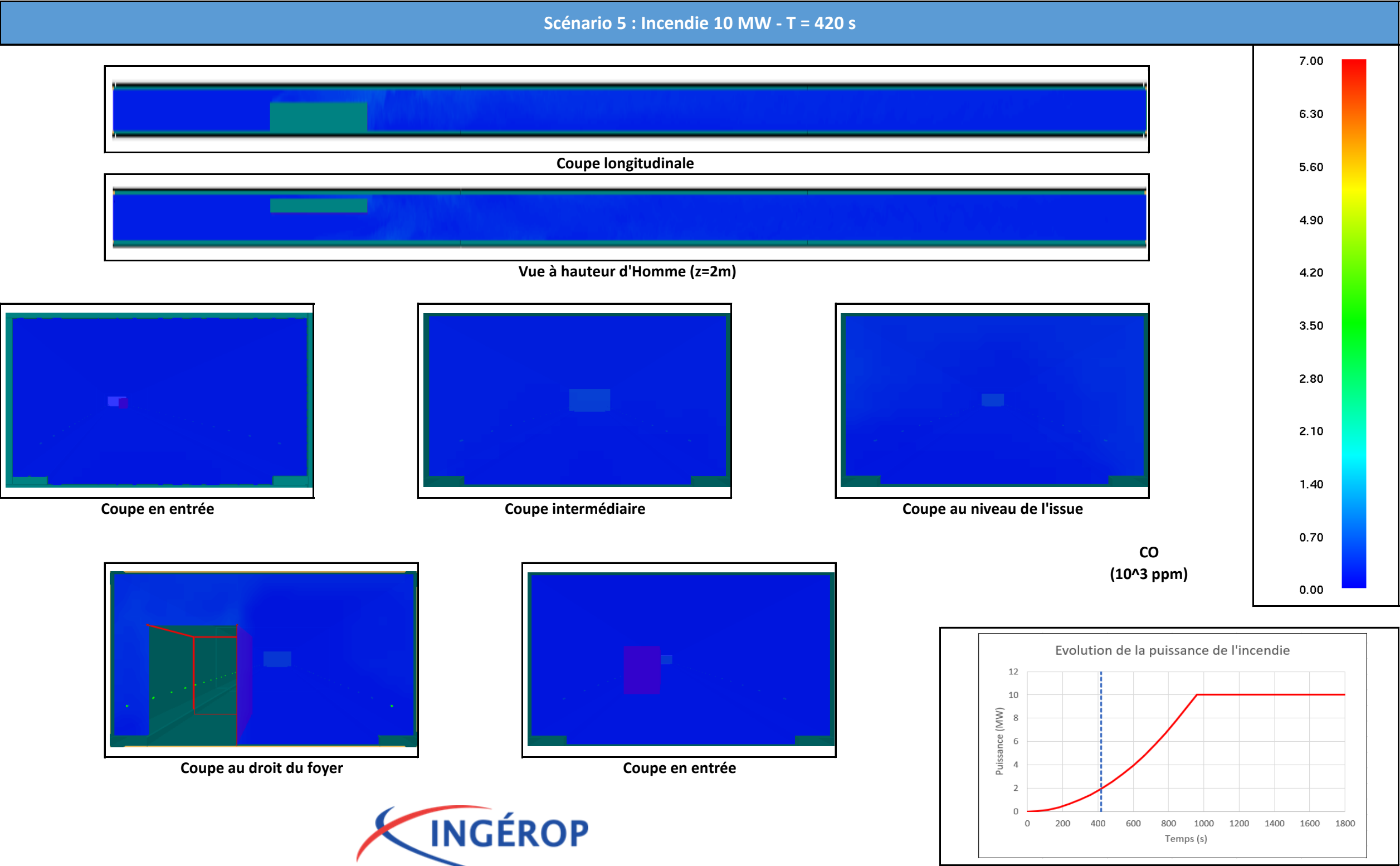


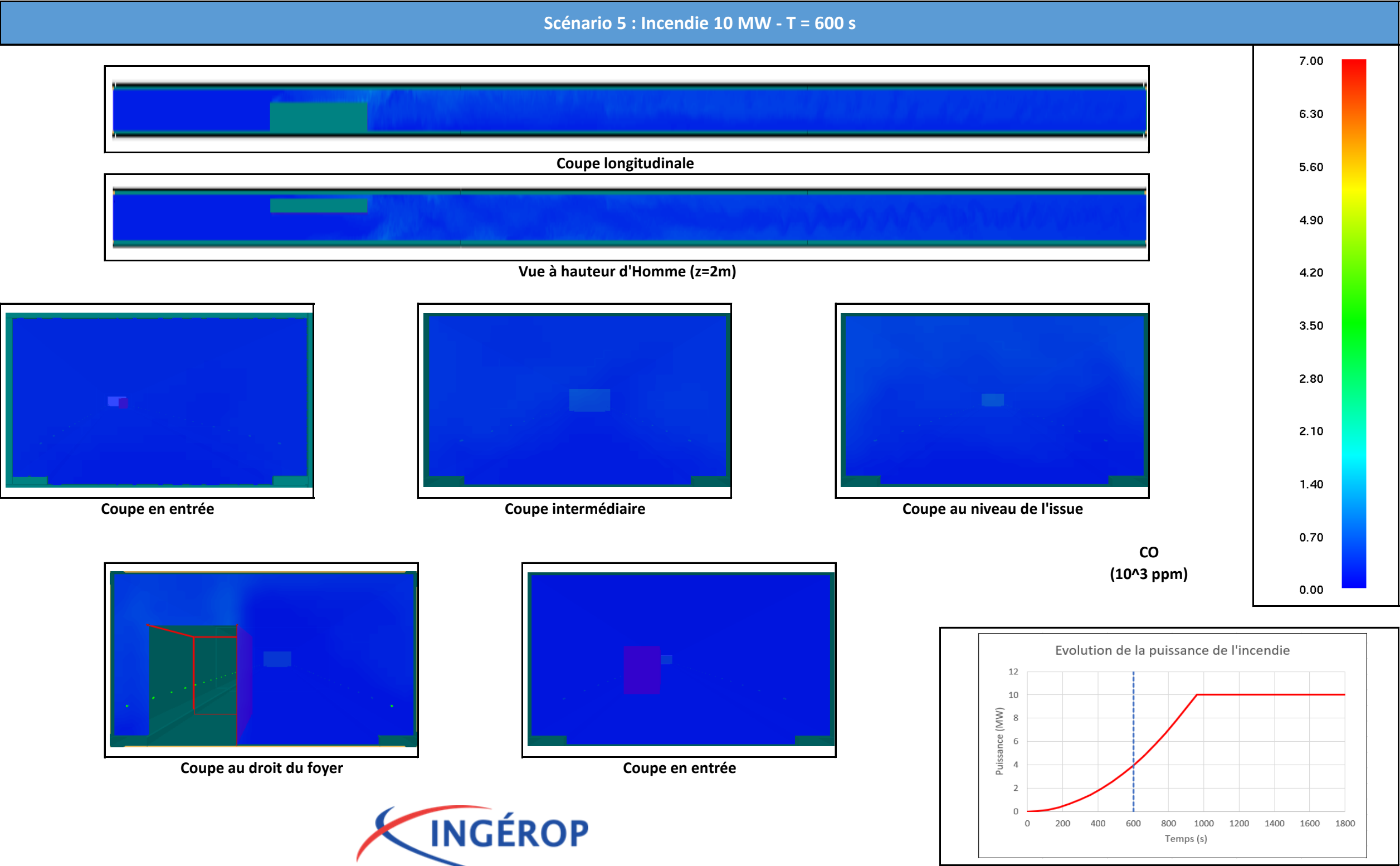




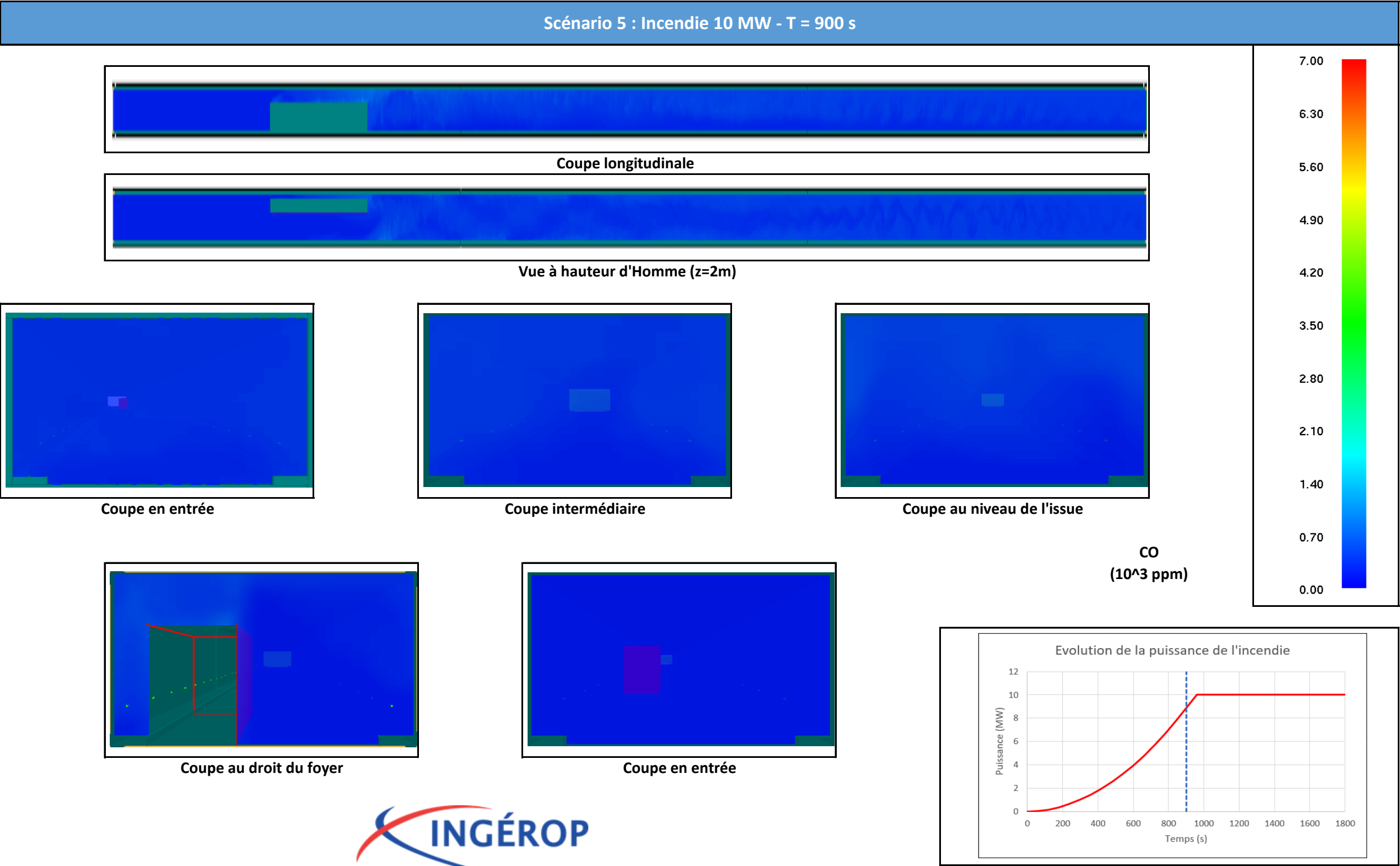


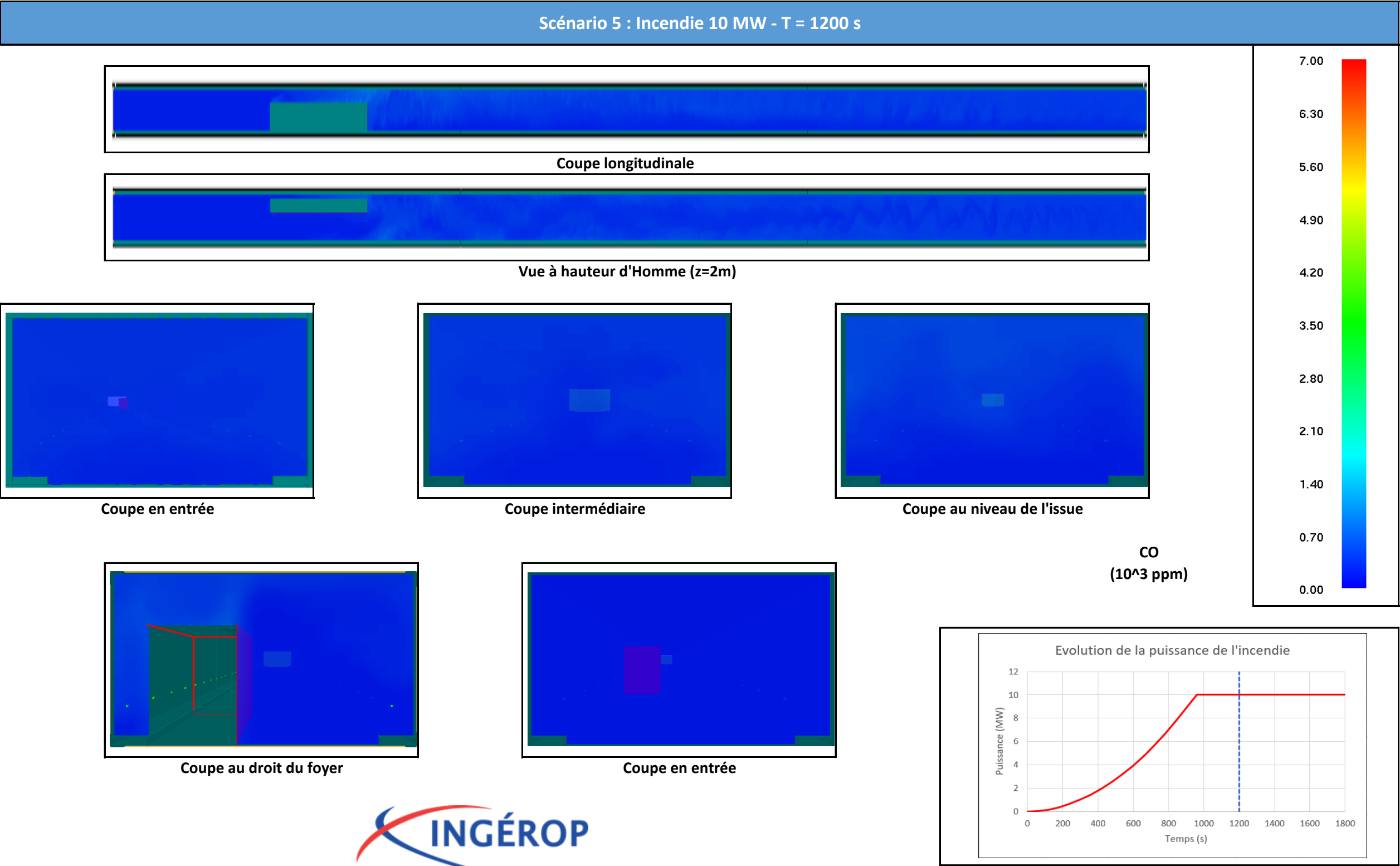






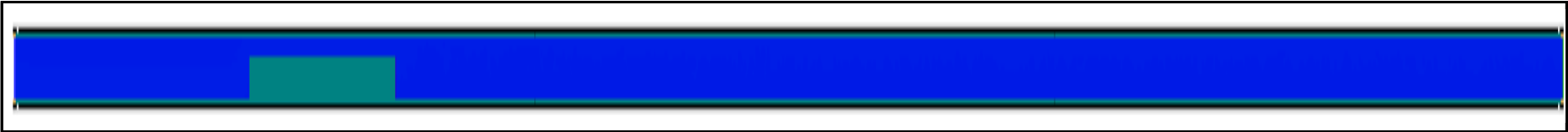






# Température

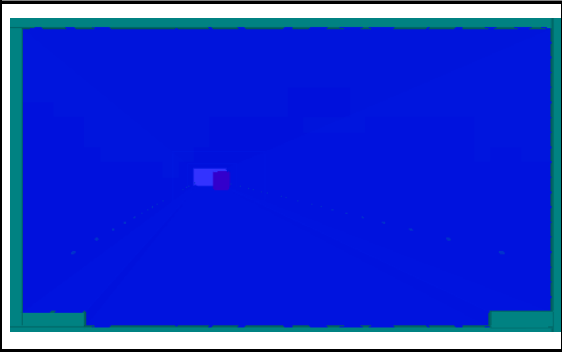
Scénario 5 : Incendie 10 MW - T = 0 s



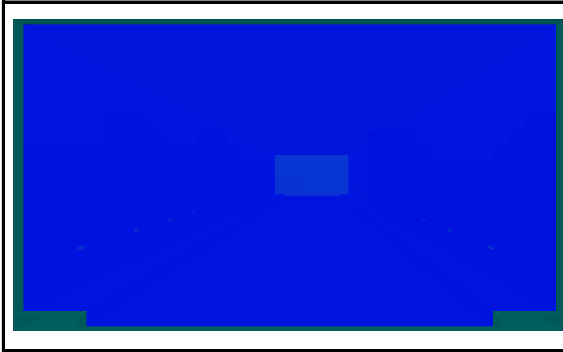
Coupe longitudinale



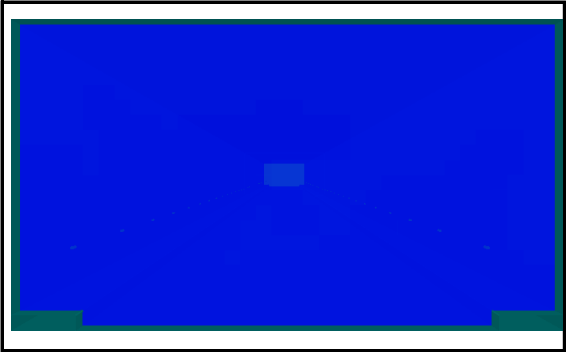
Vue à hauteur d'Homme (z=2m)



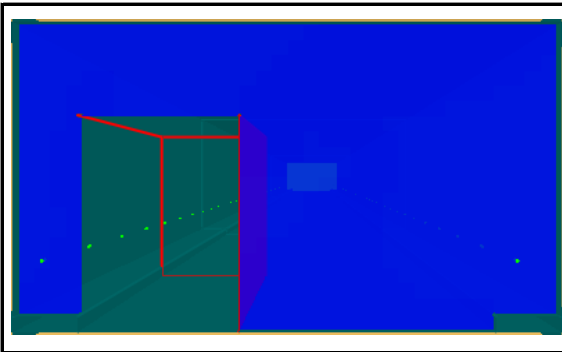
Coupe en entrée



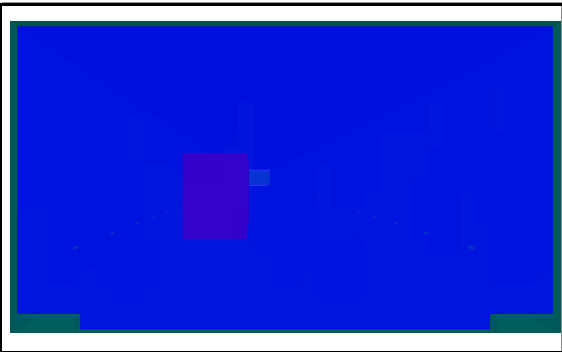
Coupe intermédiaire



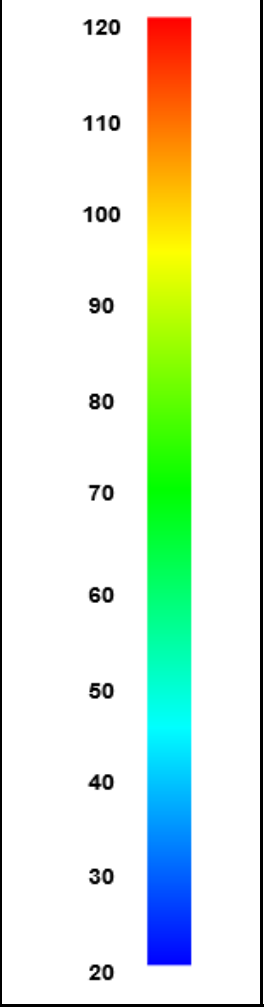
Coupe au niveau de l'issue



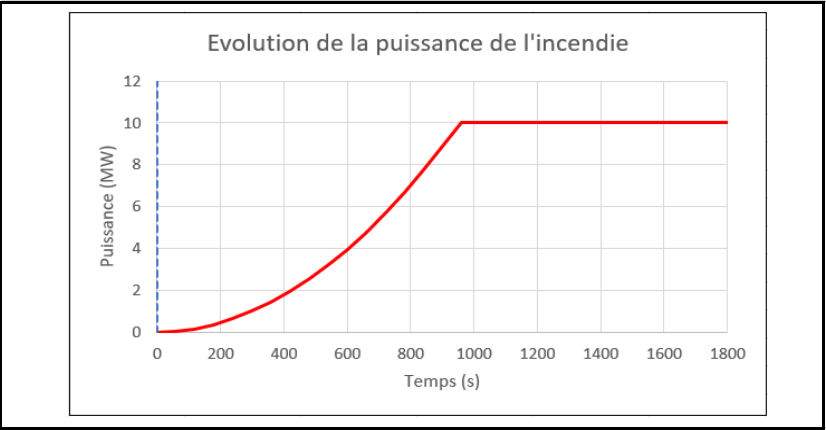
Coupe au droit du foyer



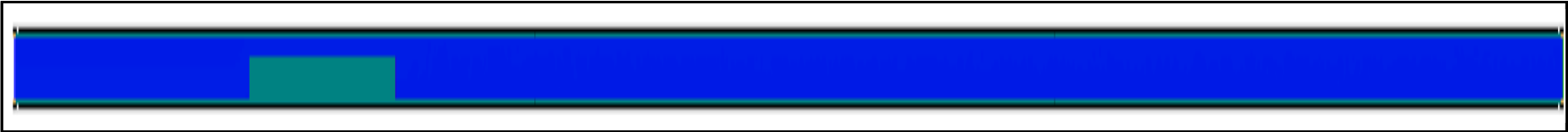
Coupe en entrée



Température (°C)



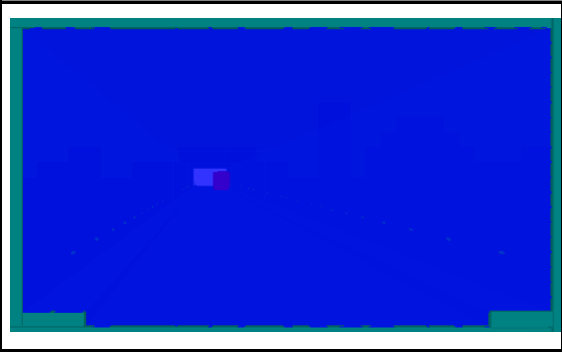
Scénario 5 : Incendie 10 MW - T = 30 s



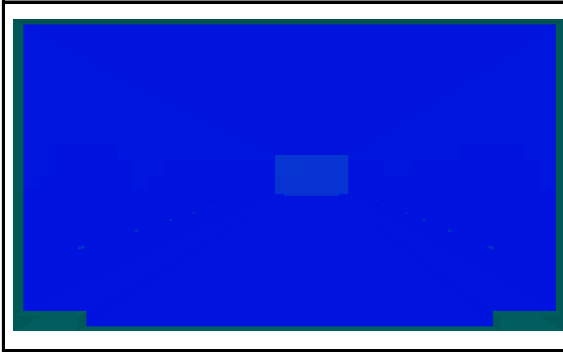
Coupe longitudinale



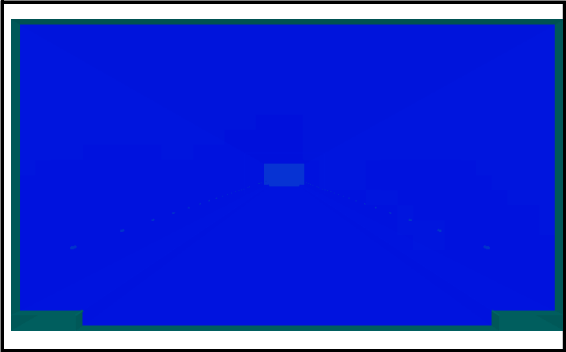
Vue à hauteur d'Homme (z=2m)



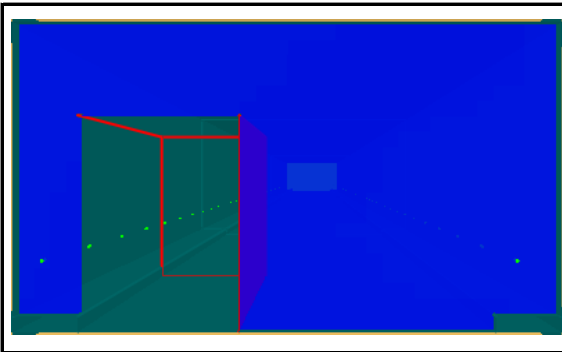
Coupe en entrée



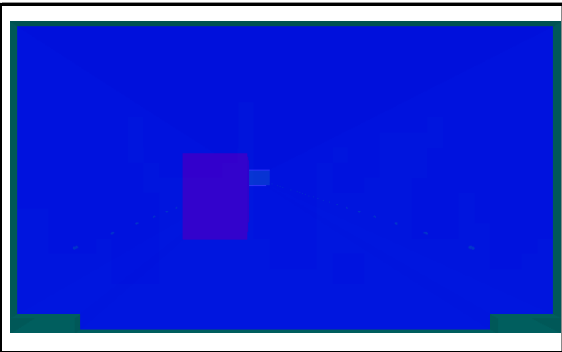
Coupe intermédiaire



Coupe au niveau de l'issue

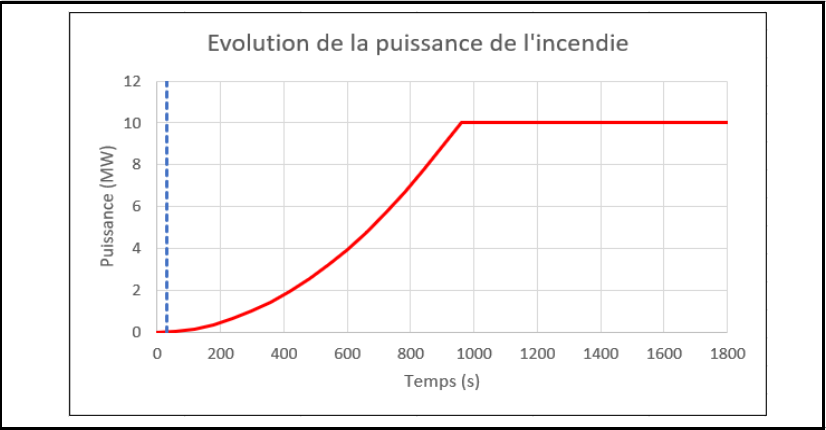
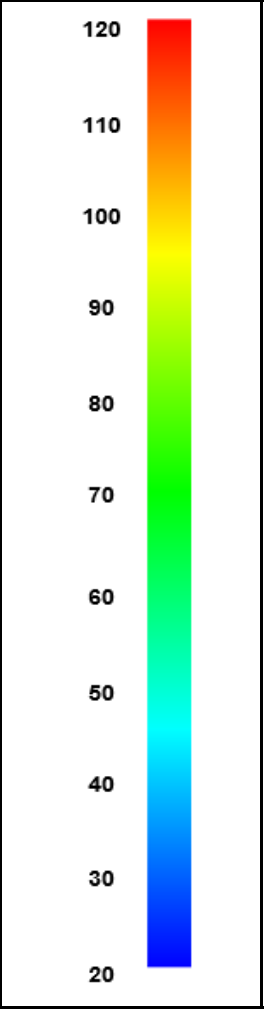


Coupe au droit du foyer

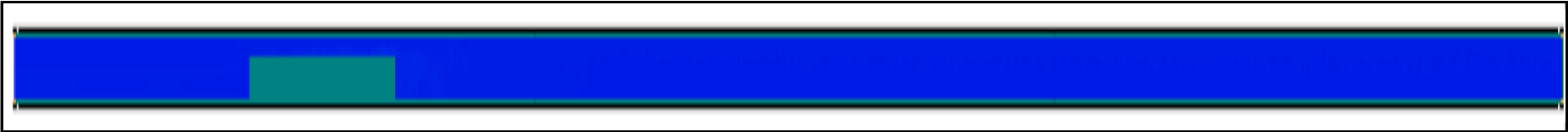


Coupe en entrée

Température  
(°C)



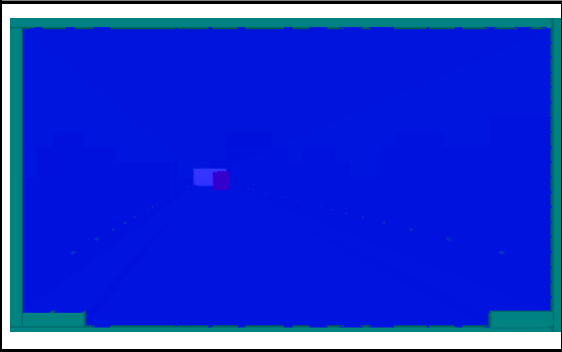
Scénario 5 : Incendie 10 MW - T = 60 s



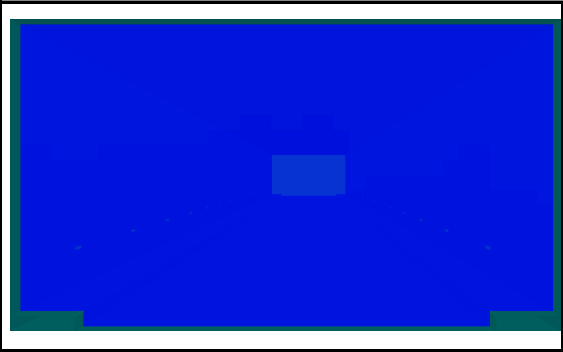
Coupe longitudinale



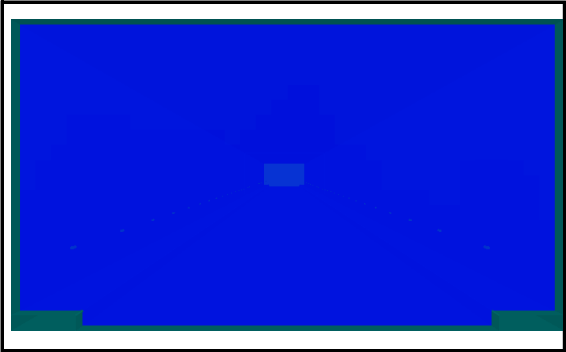
Vue à hauteur d'Homme (z=2m)



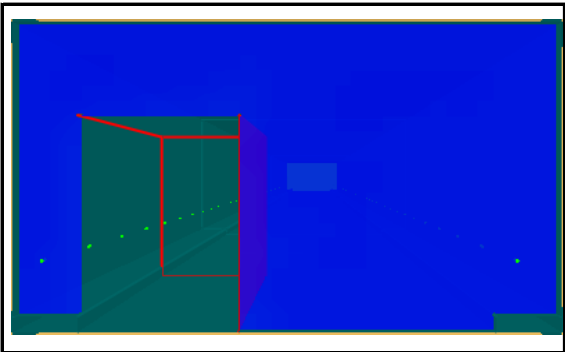
Coupe en entrée



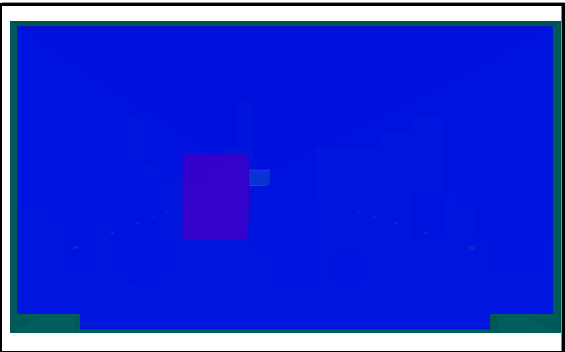
Coupe intermédiaire



Coupe au niveau de l'issue

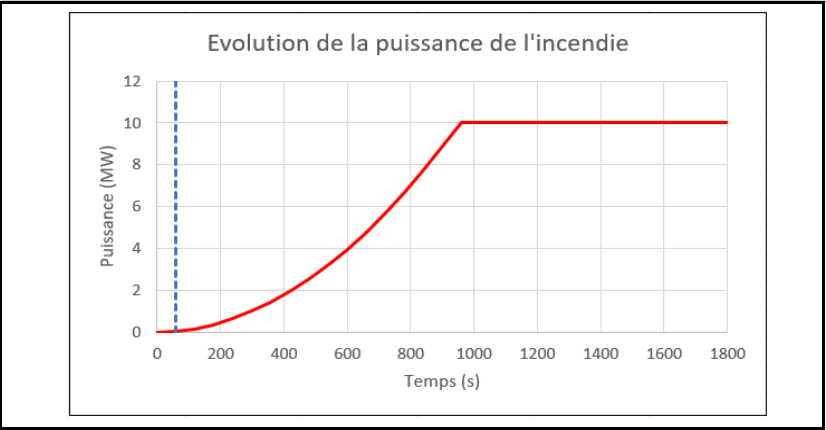
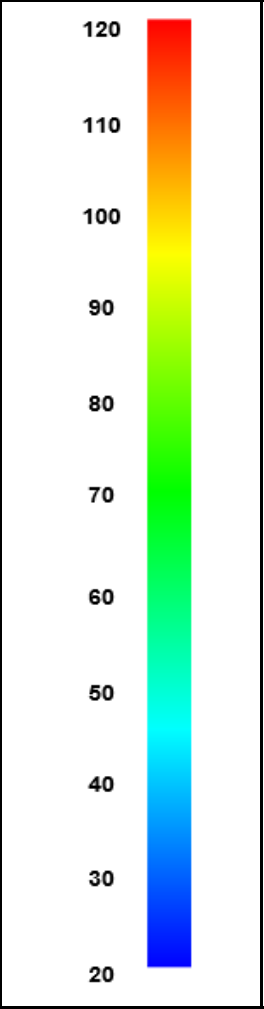


Coupe au droit du foyer

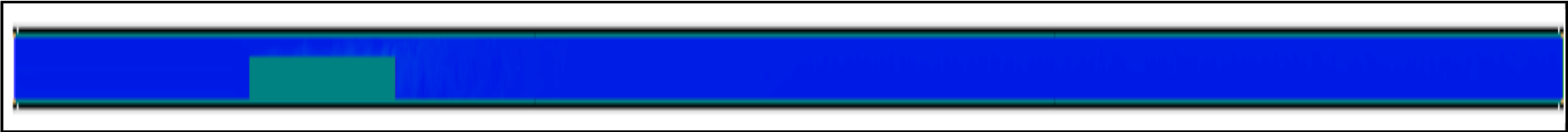


Coupe en entrée

Température  
(°C)



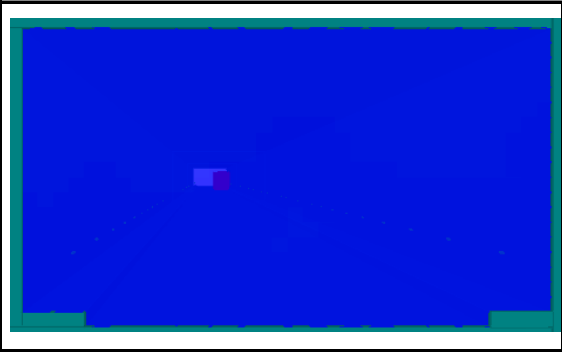
Scénario 5 : Incendie 10 MW - T = 90 s



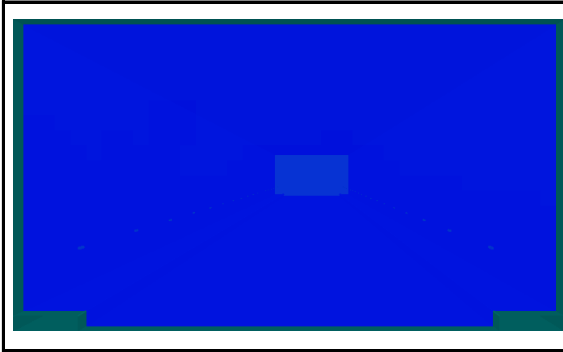
Coupe longitudinale



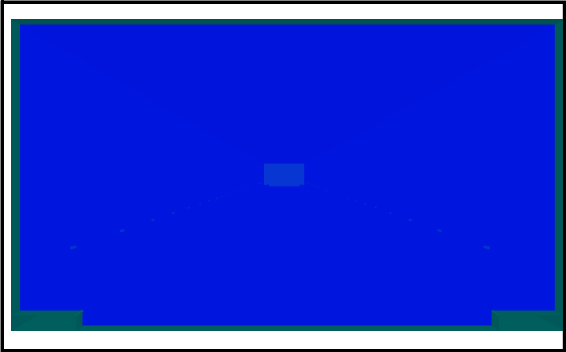
Vue à hauteur d'Homme (z=2m)



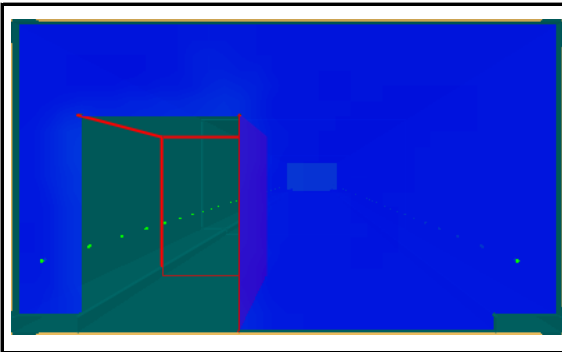
Coupe en entrée



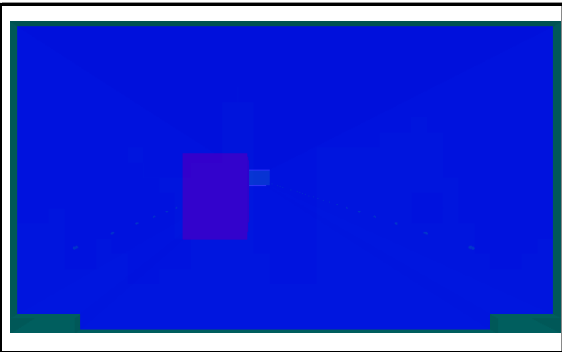
Coupe intermédiaire



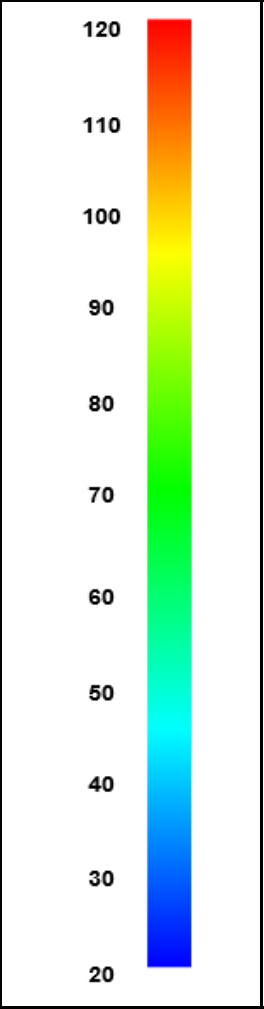
Coupe au niveau de l'issue



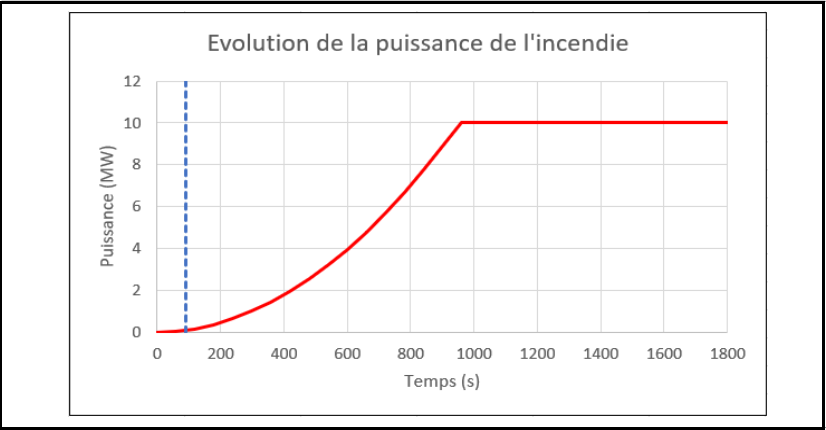
Coupe au droit du foyer

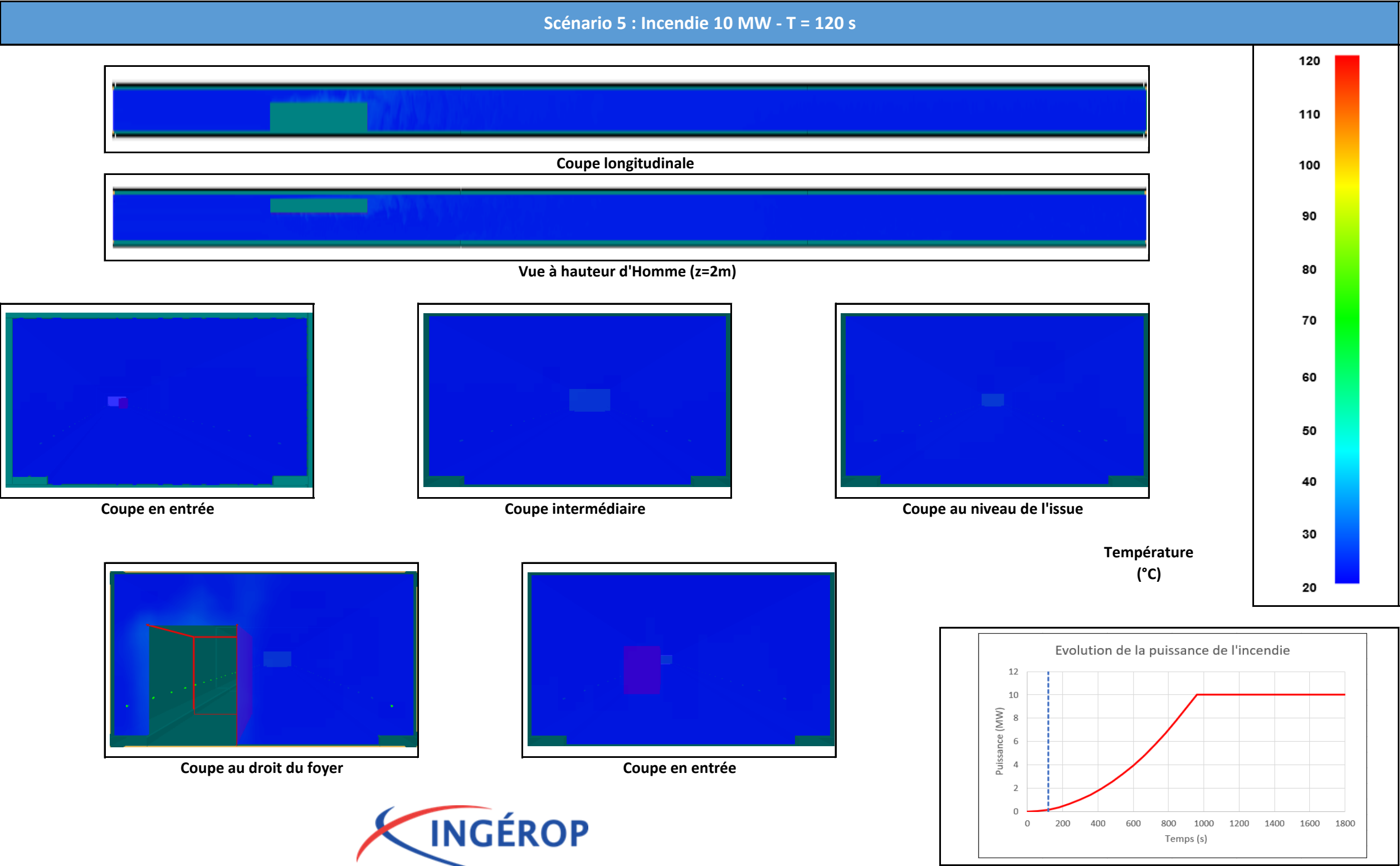


Coupe en entrée

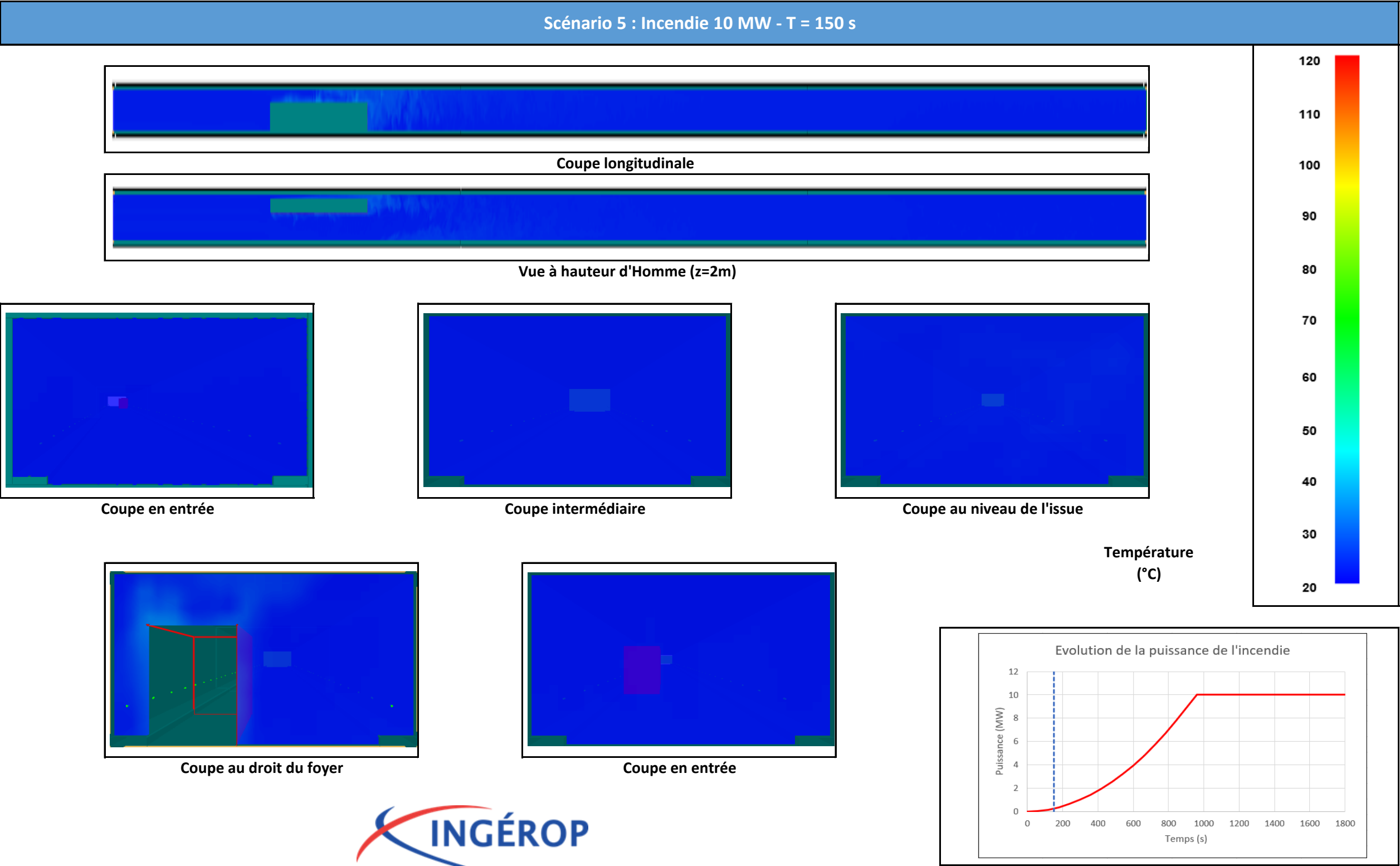


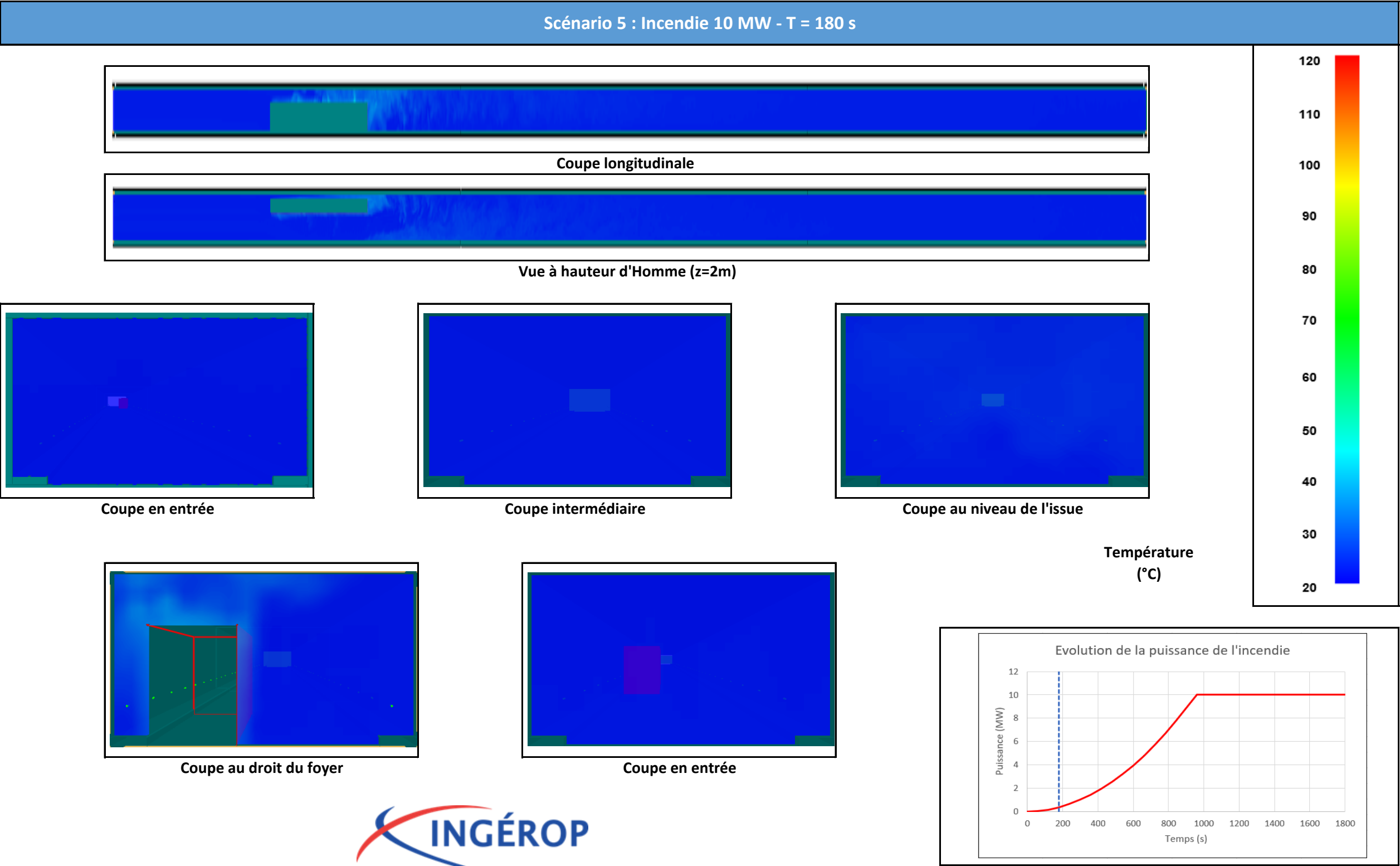
Température (°C)

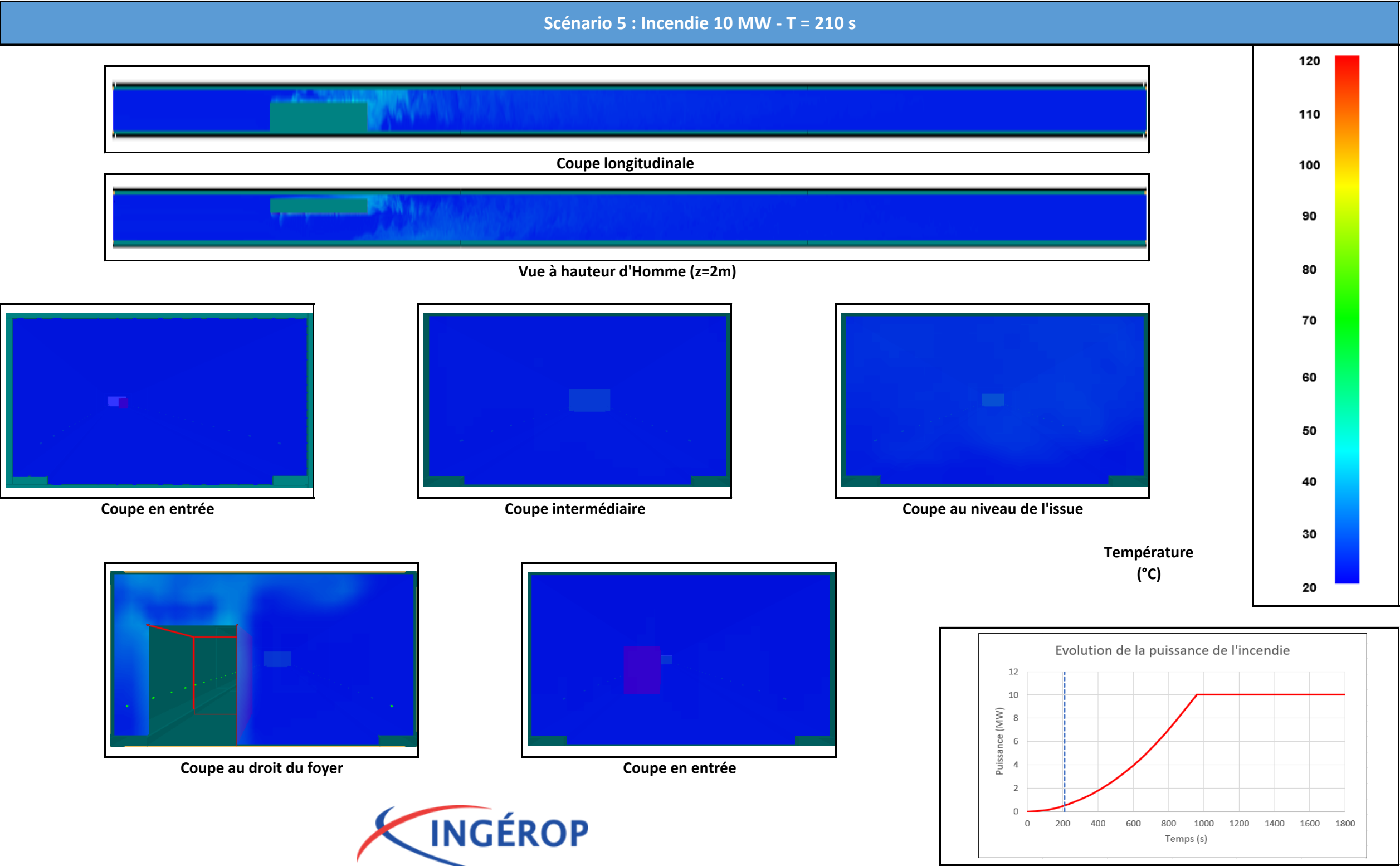


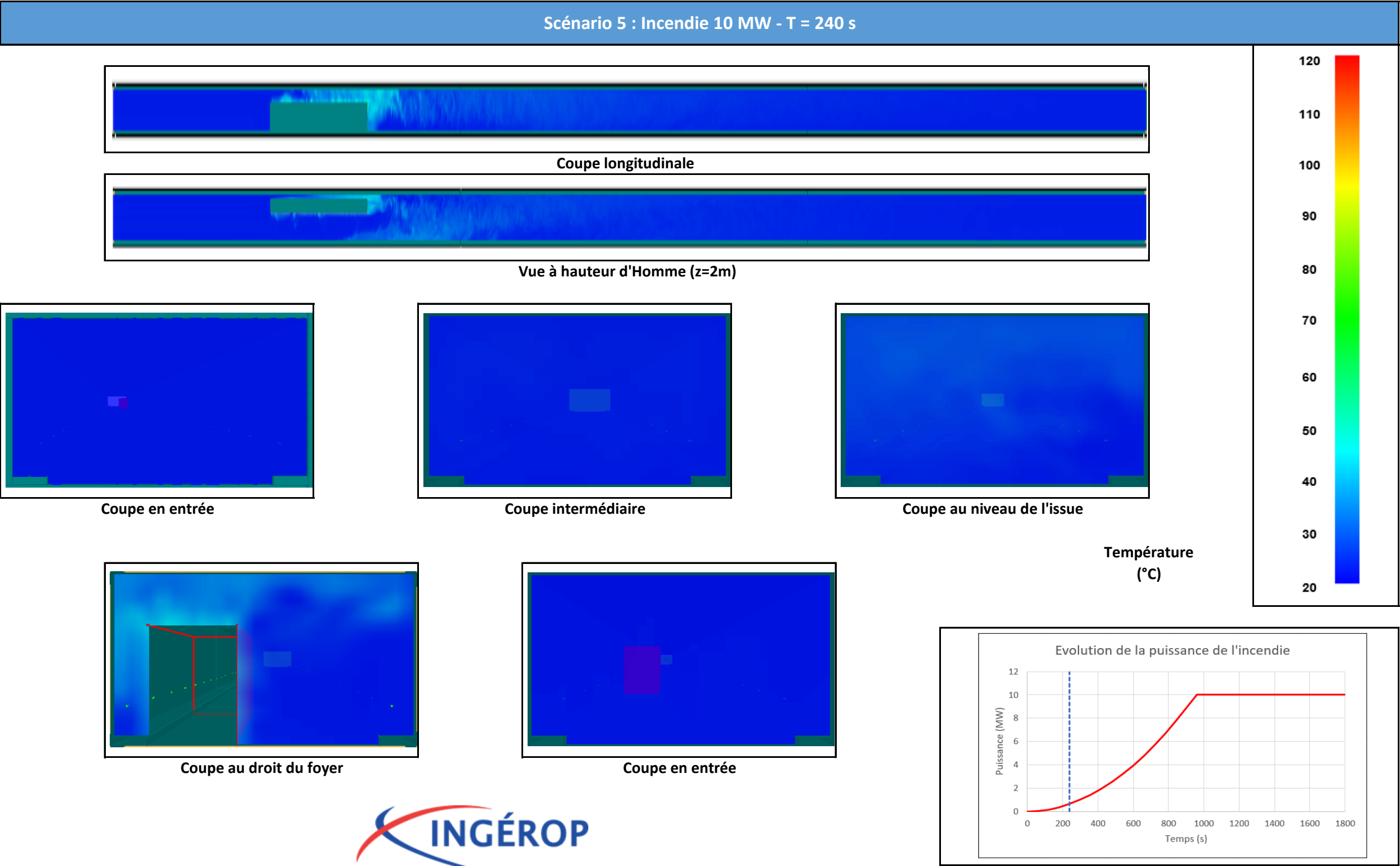


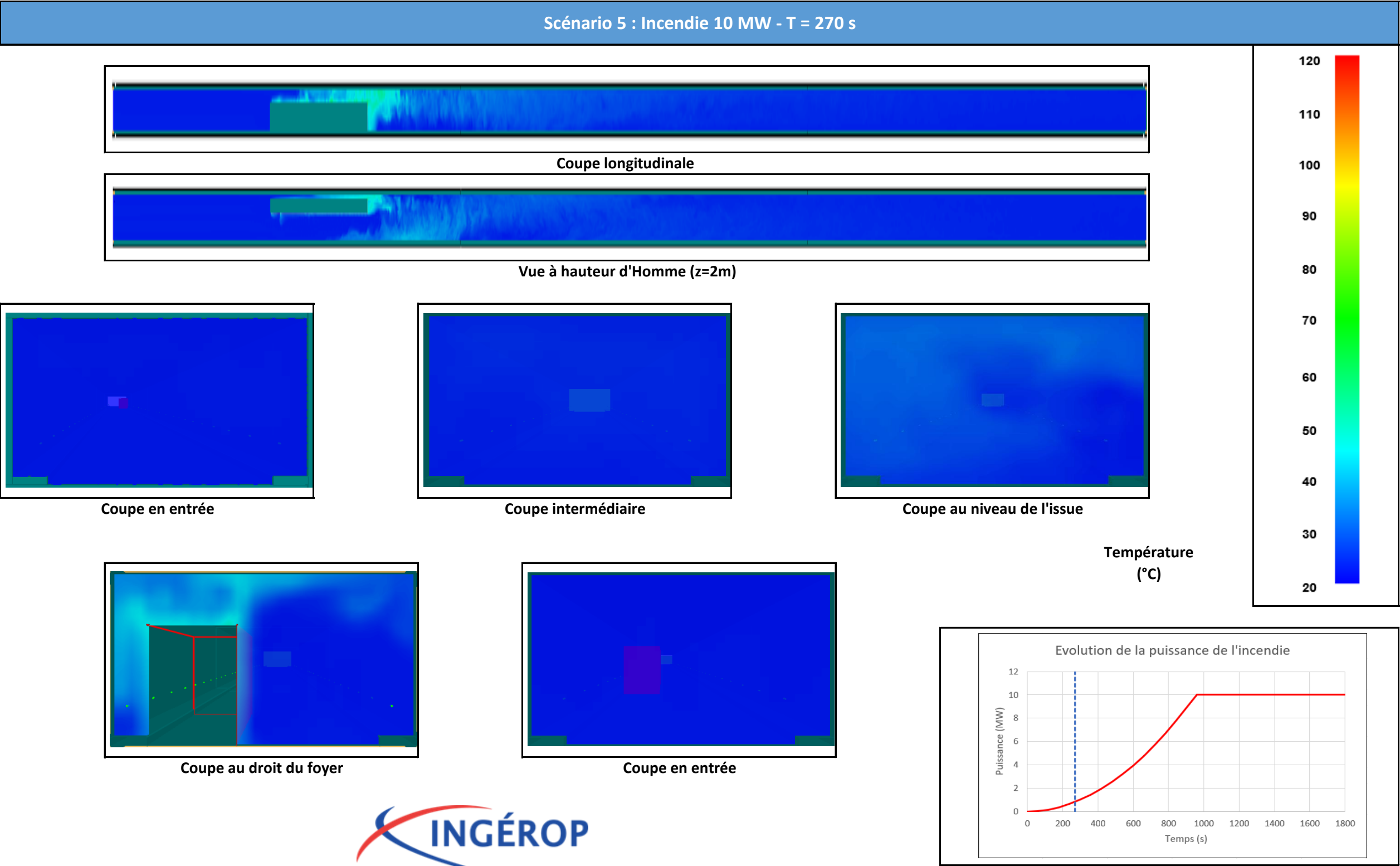


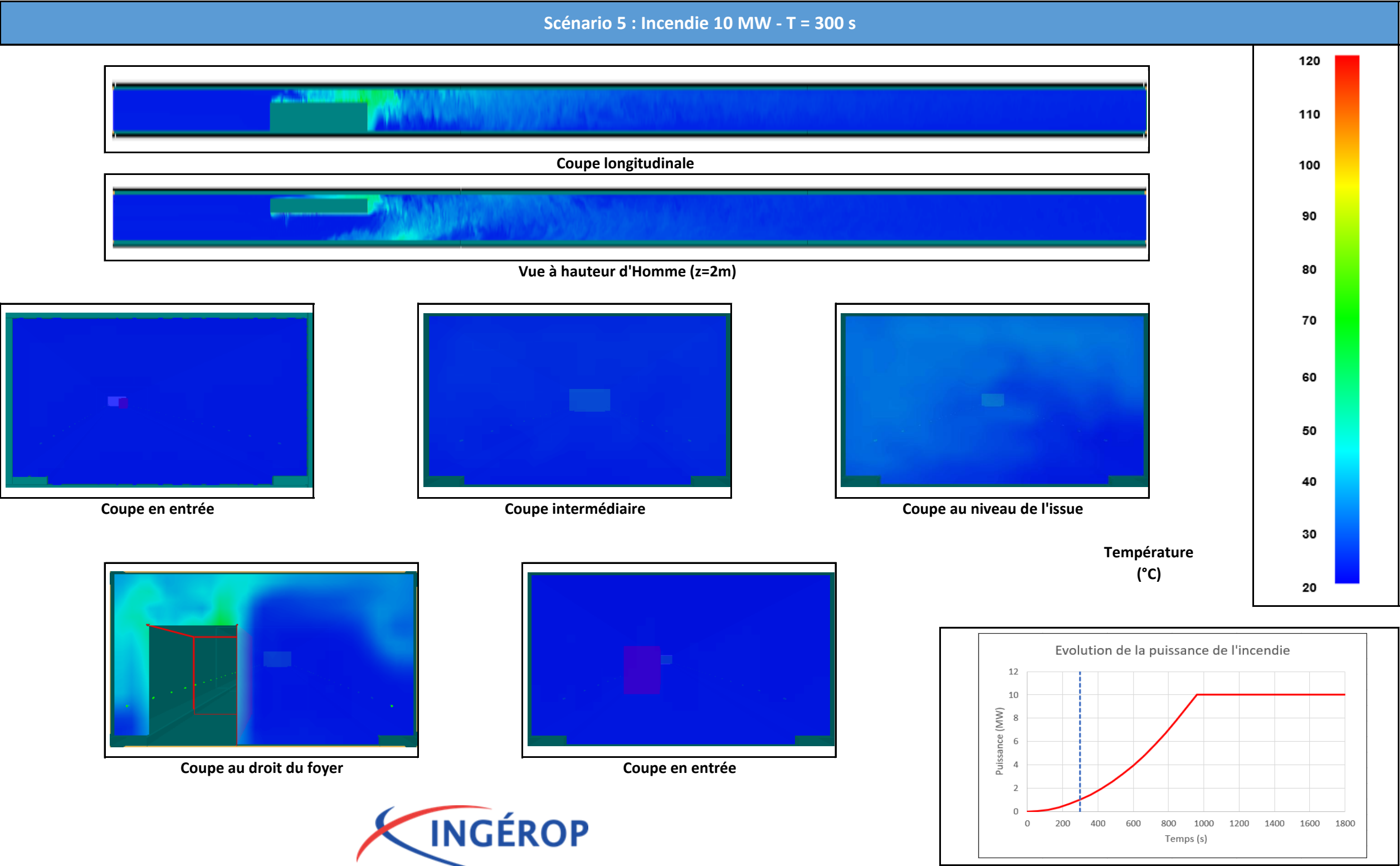




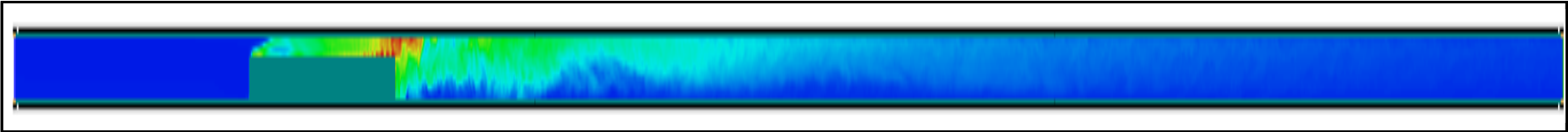




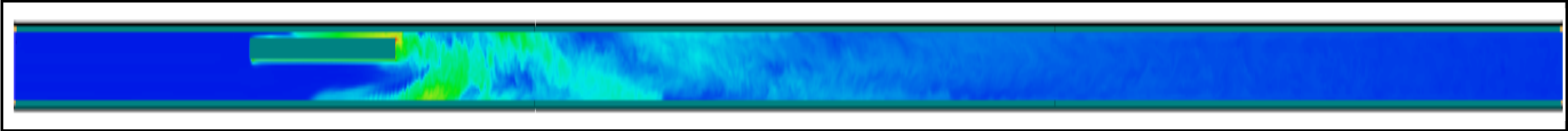




Scénario 5 : Incendie 10 MW - T = 420 s



Coupe longitudinale



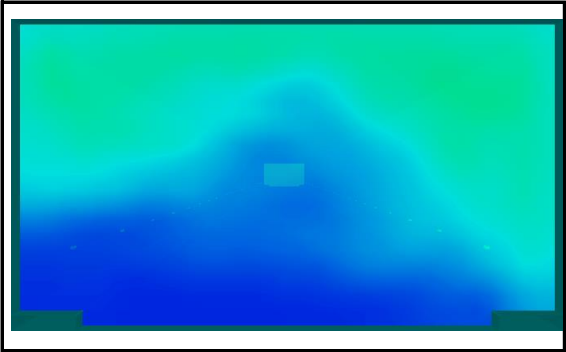
Vue à hauteur d'Homme (z=2m)



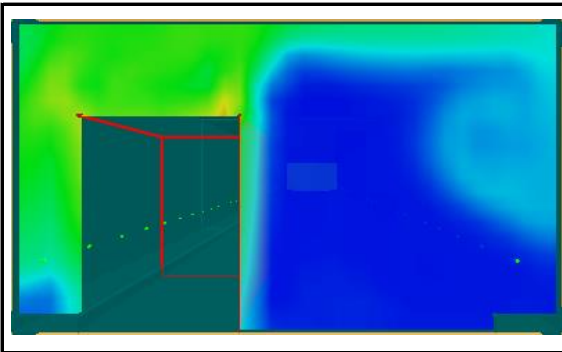
Coupe en entrée



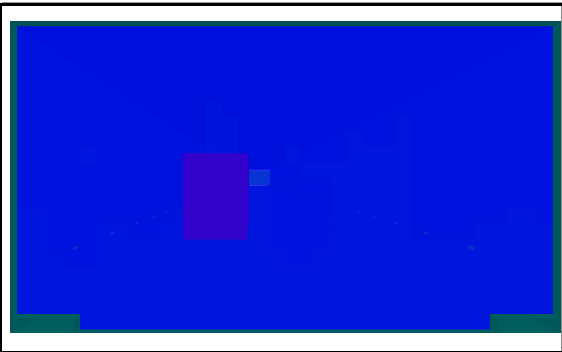
Coupe intermédiaire



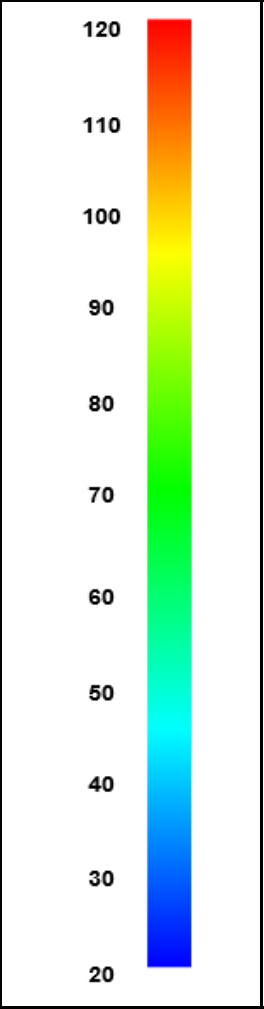
Coupe au niveau de l'issue



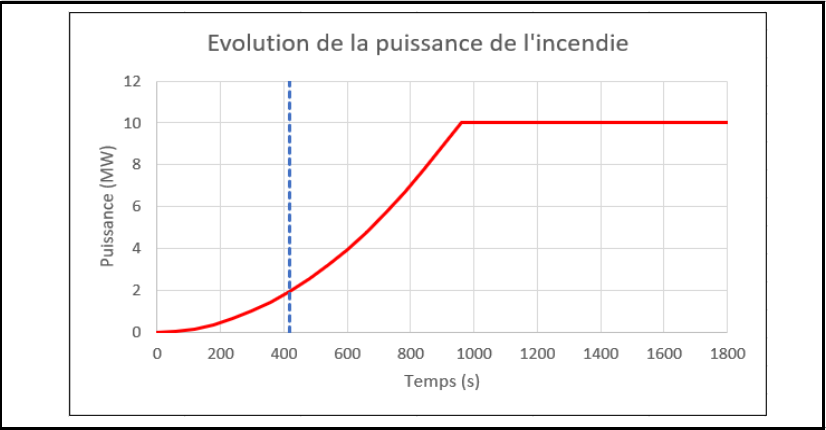
Coupe au droit du foyer

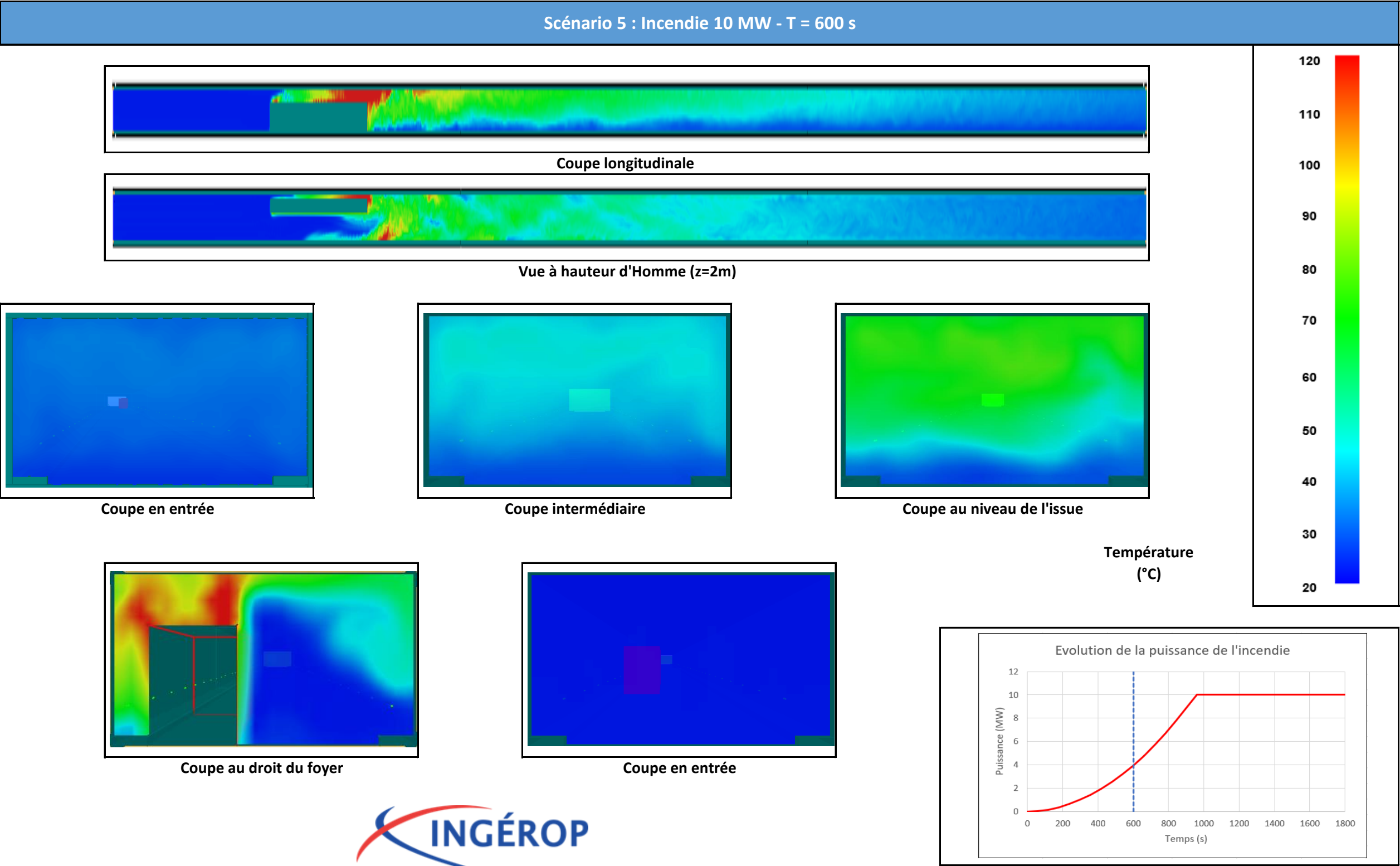


Coupe en entrée

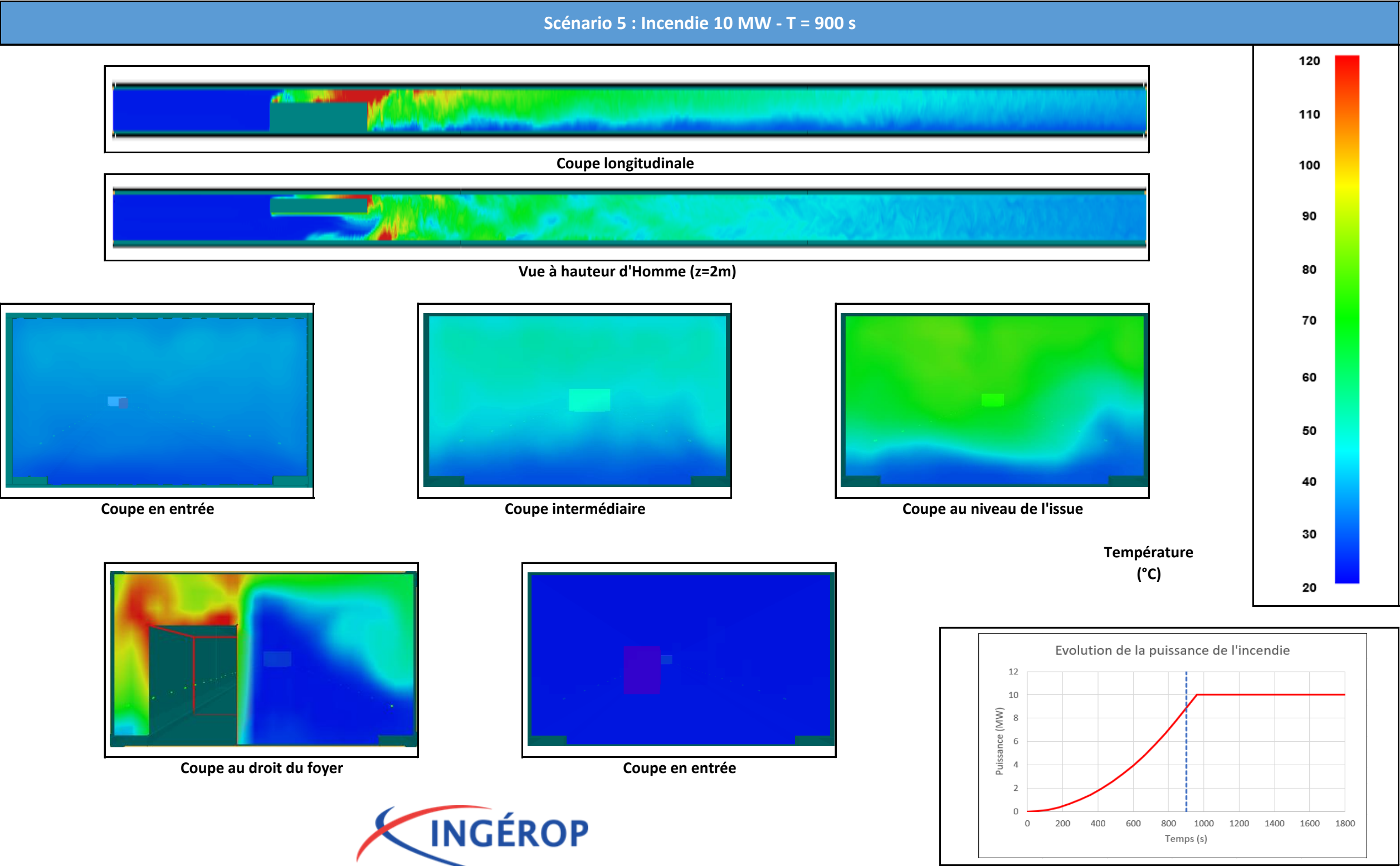


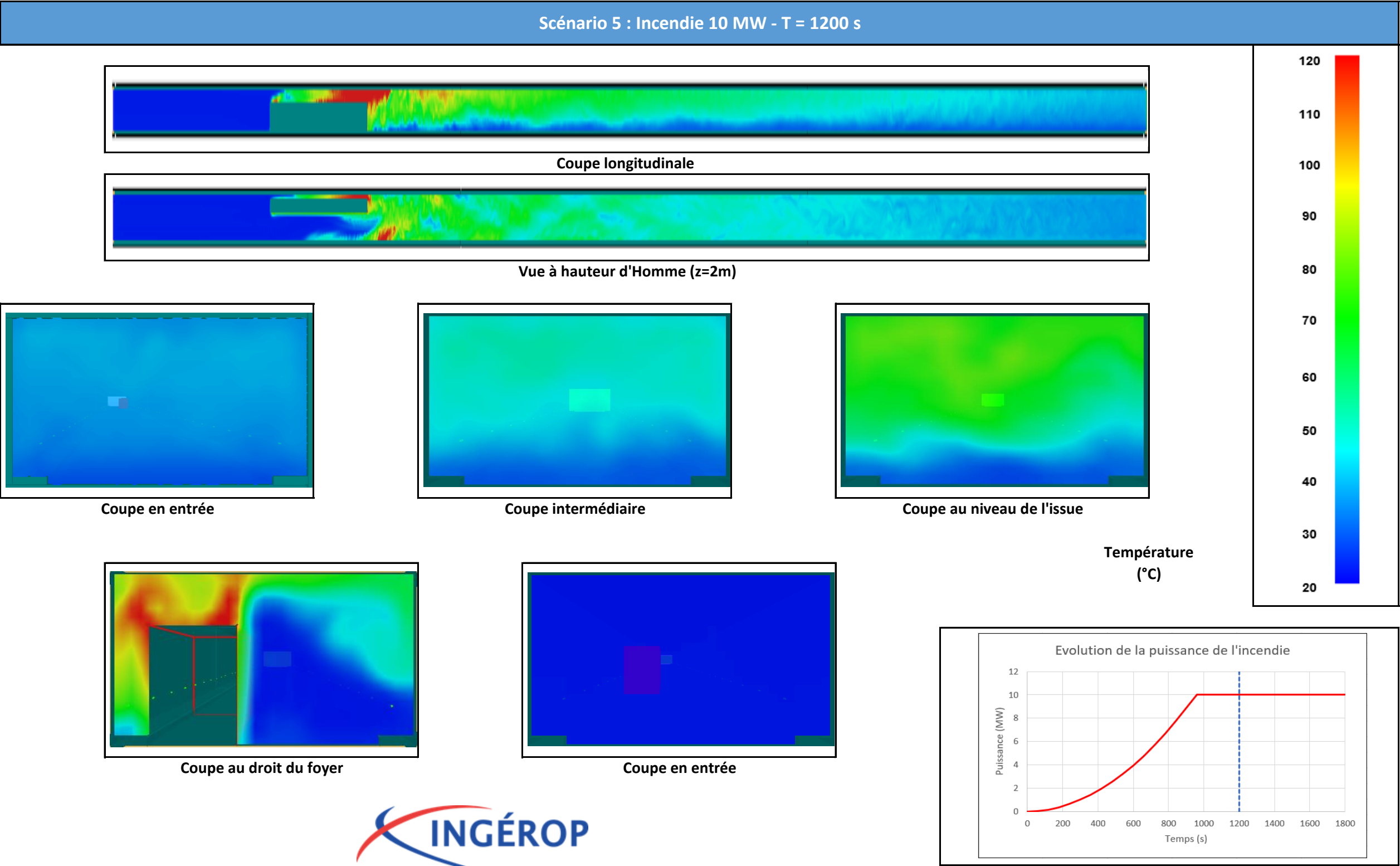
Température (°C)











# Visibilité

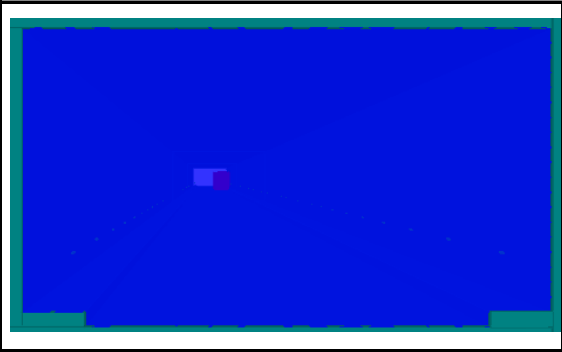
Scénario 5 : Incendie 10 MW - T = 0 s



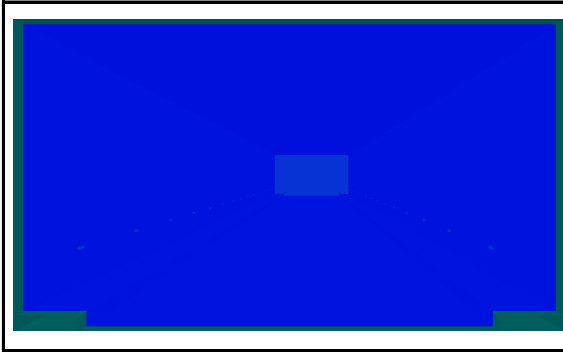
Coupe longitudinale



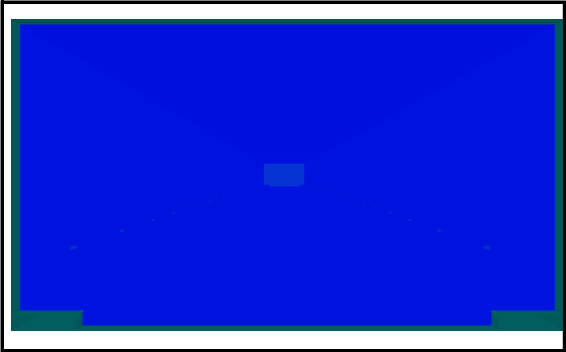
Vue à hauteur d'Homme (z=2m)



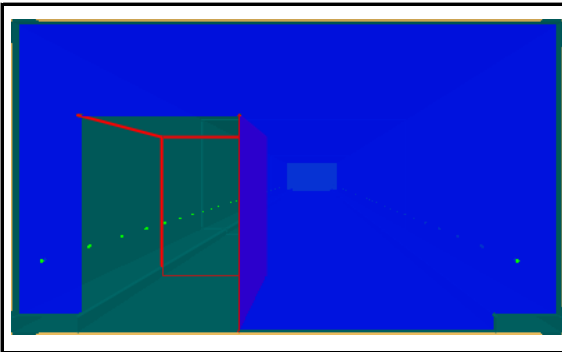
Coupe en entrée



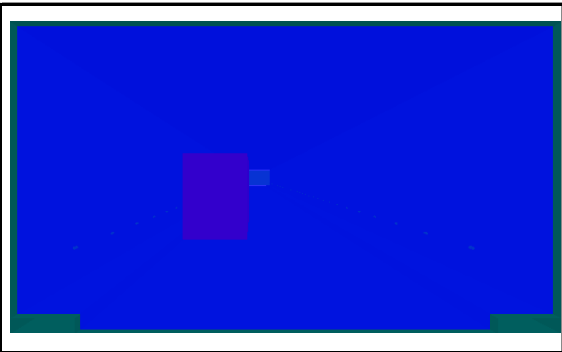
Coupe intermédiaire



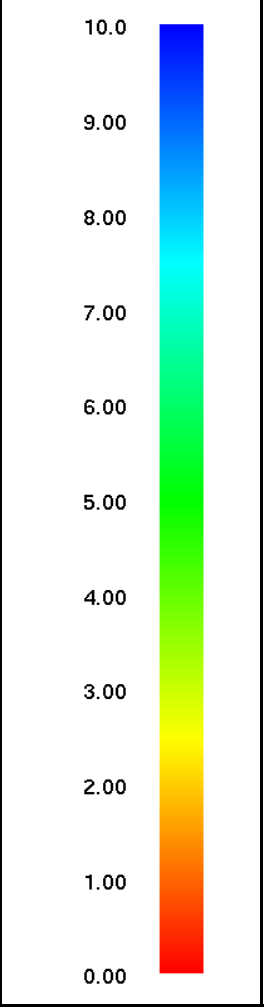
Coupe au niveau de l'issue



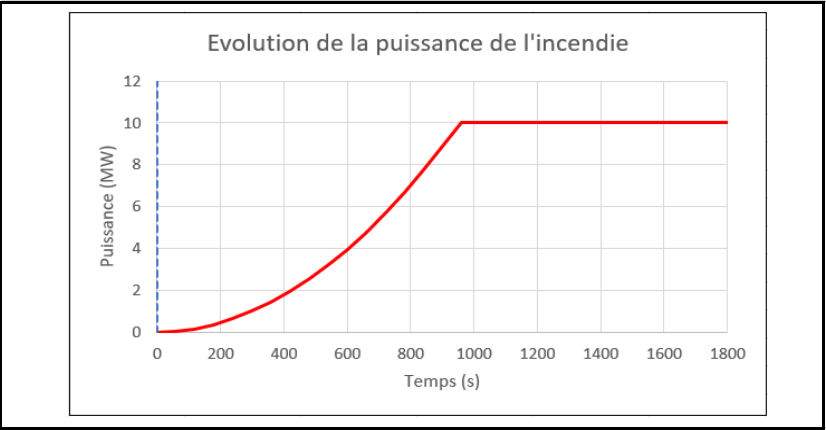
Coupe au droit du foyer



Coupe en entrée



Visibilité (m)



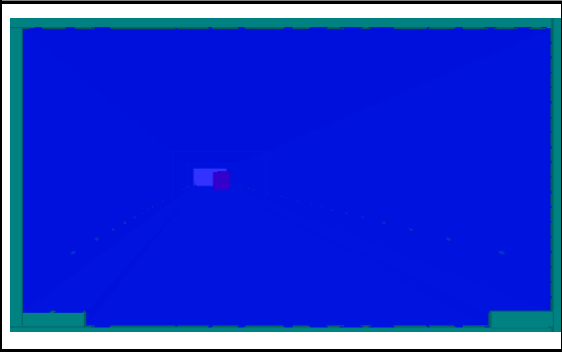
Scénario 5 : Incendie 10 MW - T = 30 s



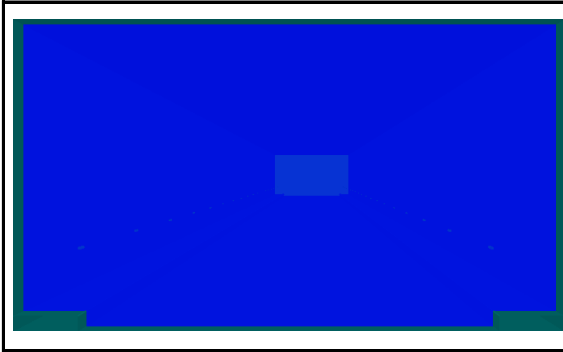
Coupe longitudinale



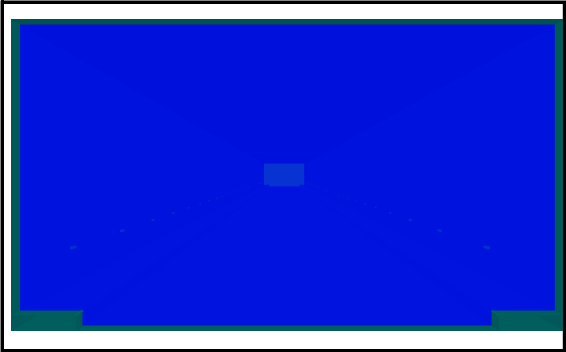
Vue à hauteur d'Homme (z=2m)



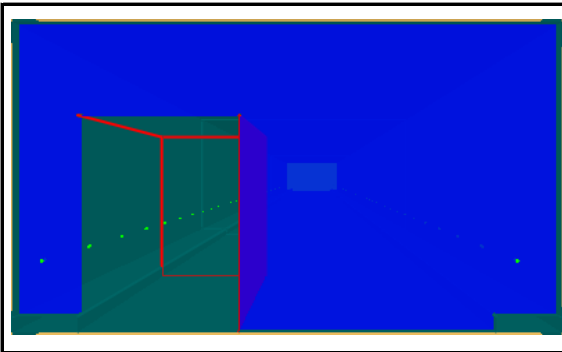
Coupe en entrée



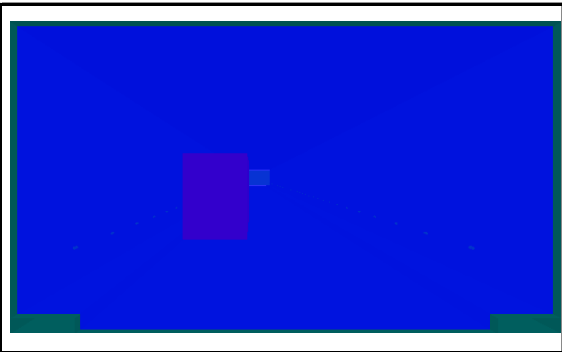
Coupe intermédiaire



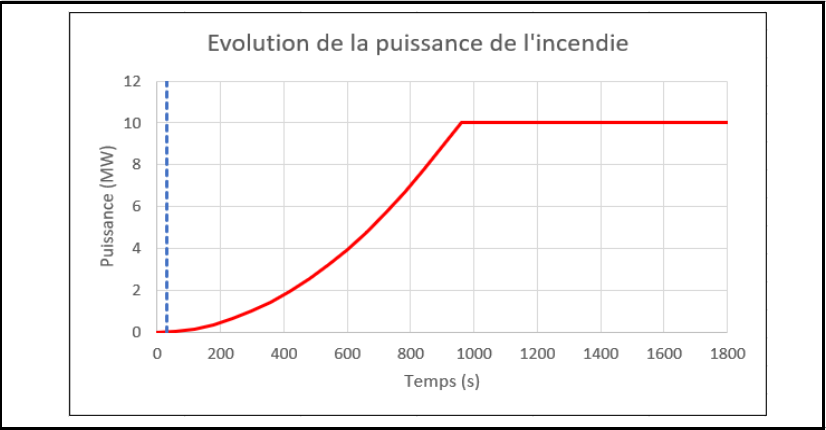
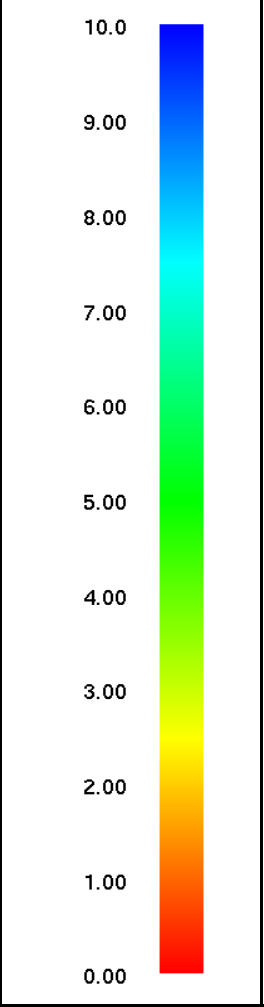
Coupe au niveau de l'issue



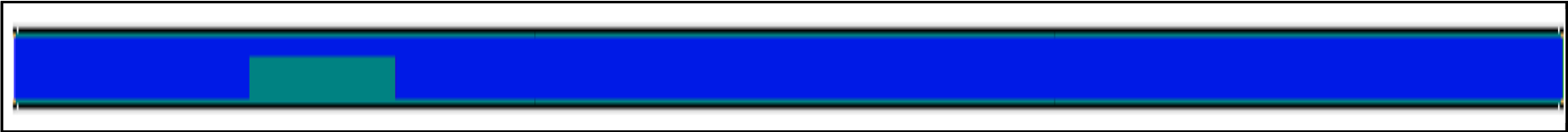
Coupe au droit du foyer



Coupe en entrée



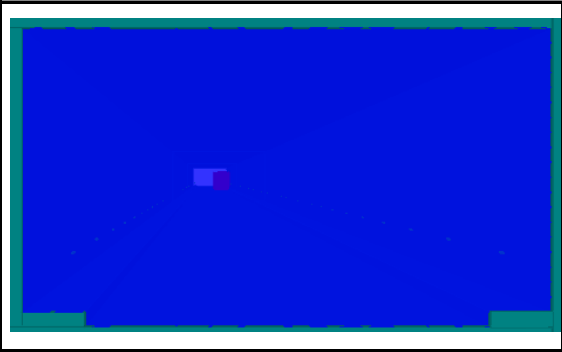
Scénario 5 : Incendie 10 MW - T = 60 s



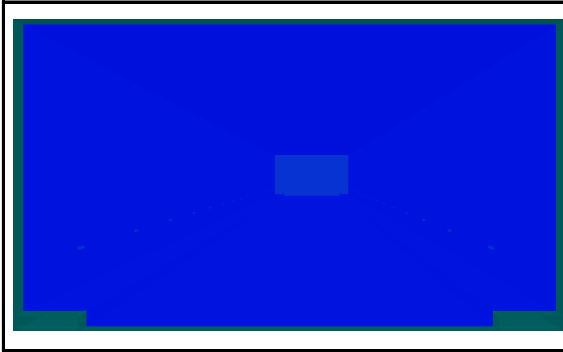
Coupe longitudinale



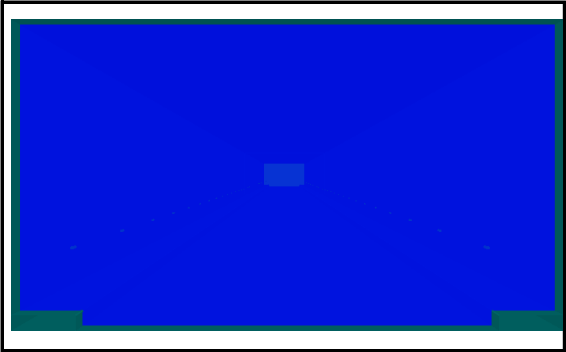
Vue à hauteur d'Homme (z=2m)



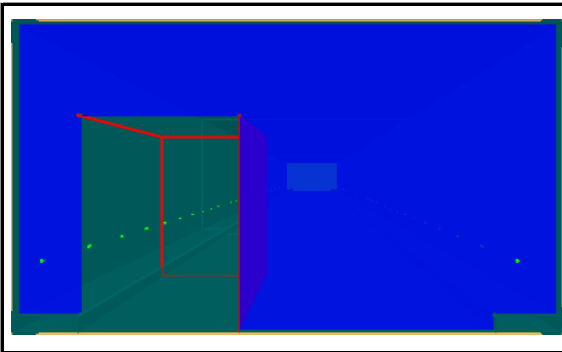
Coupe en entrée



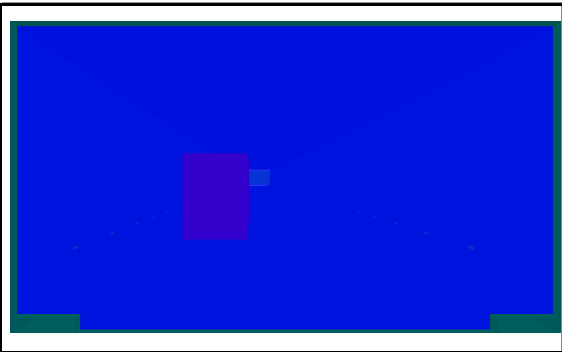
Coupe intermédiaire



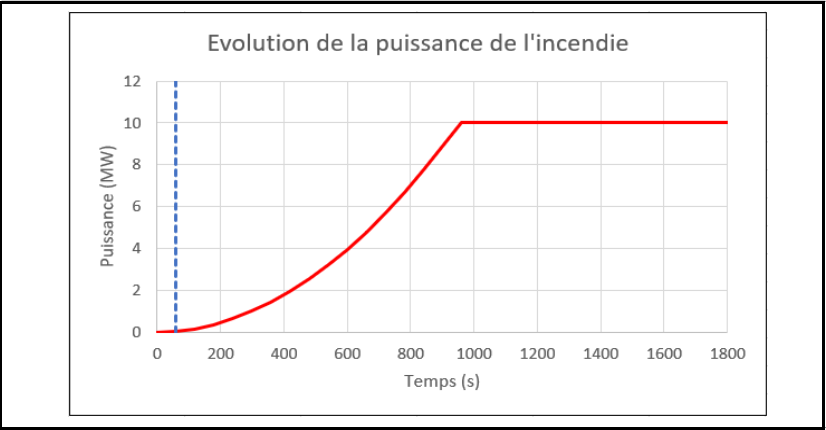
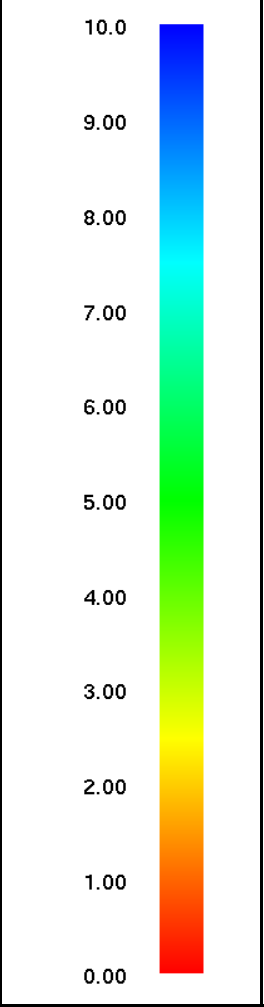
Coupe au niveau de l'issue



Coupe au droit du foyer



Coupe en entrée



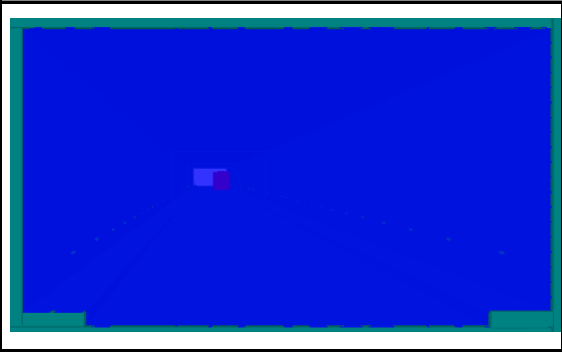
Scénario 5 : Incendie 10 MW - T = 90 s



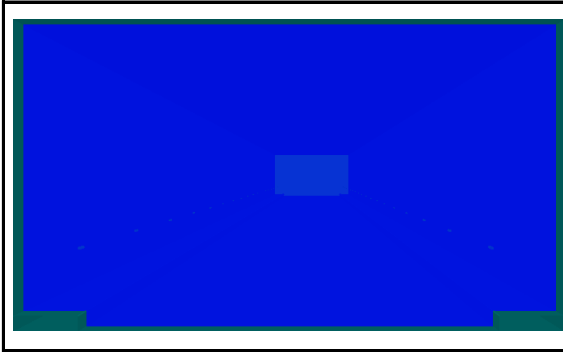
Coupe longitudinale



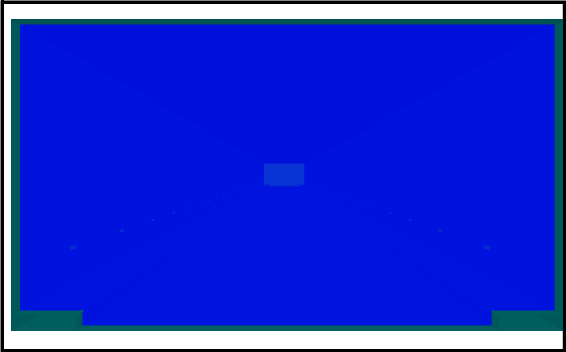
Vue à hauteur d'Homme (z=2m)



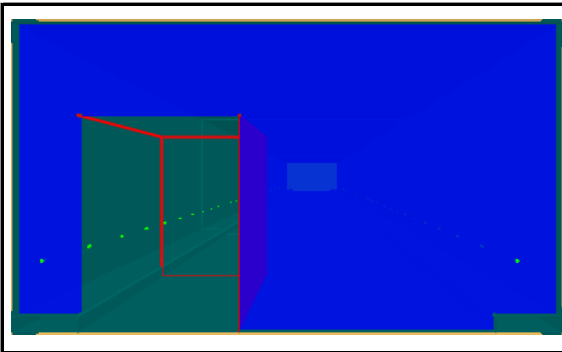
Coupe en entrée



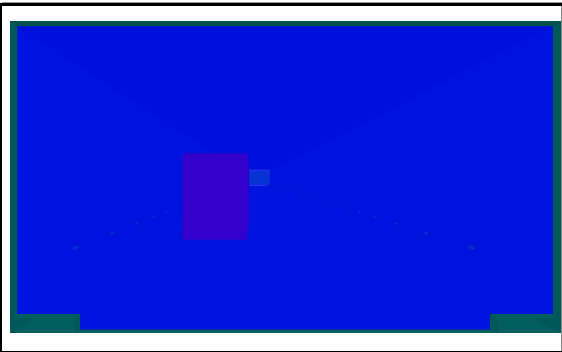
Coupe intermédiaire



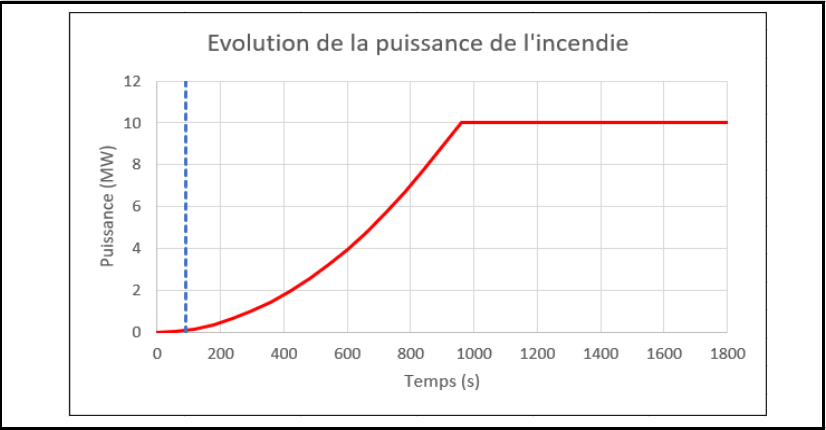
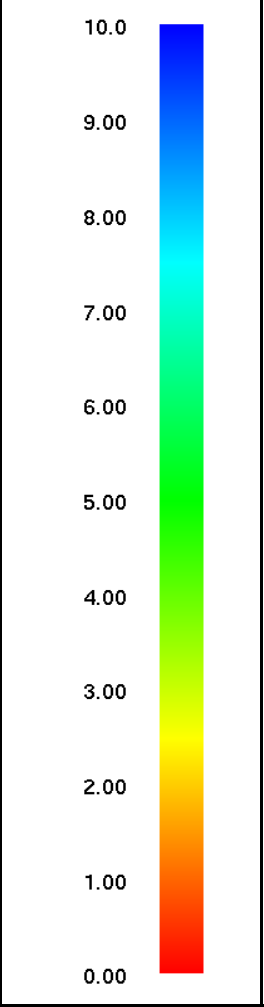
Coupe au niveau de l'issue



Coupe au droit du foyer



Coupe en entrée



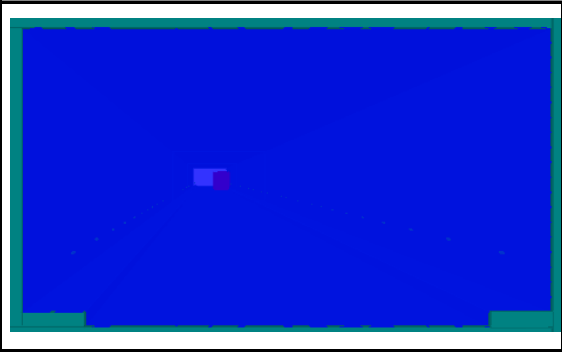
Scénario 5 : Incendie 10 MW - T = 120 s



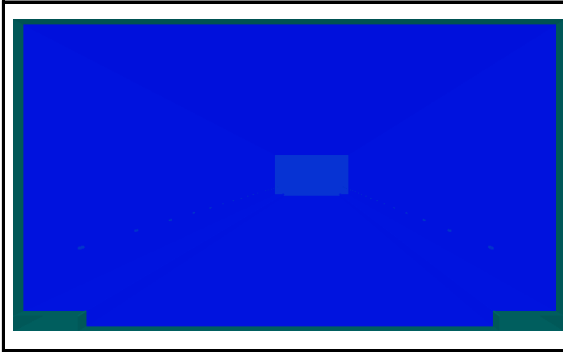
Coupe longitudinale



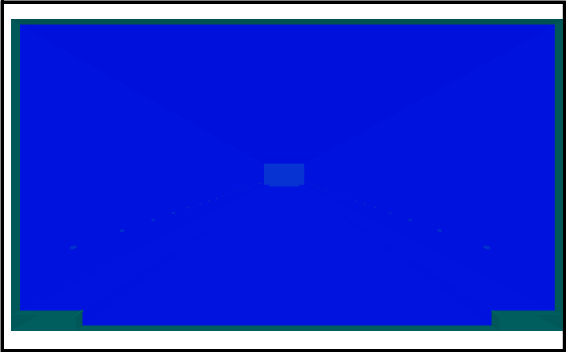
Vue à hauteur d'Homme (z=2m)



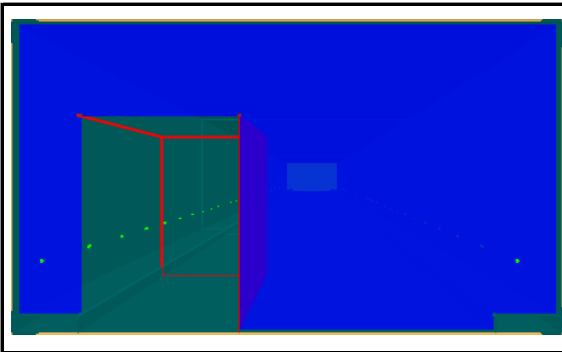
Coupe en entrée



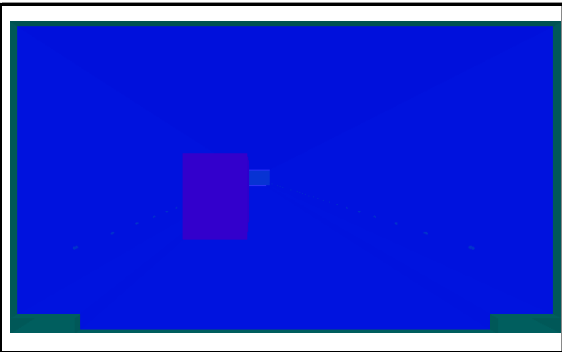
Coupe intermédiaire



Coupe au niveau de l'issue

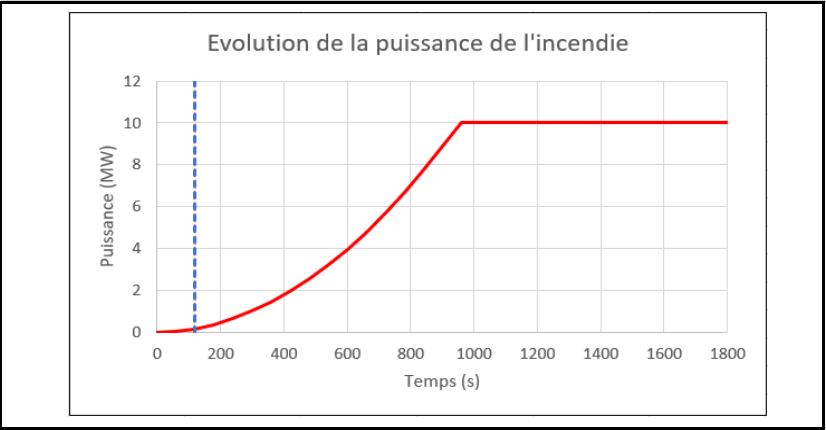
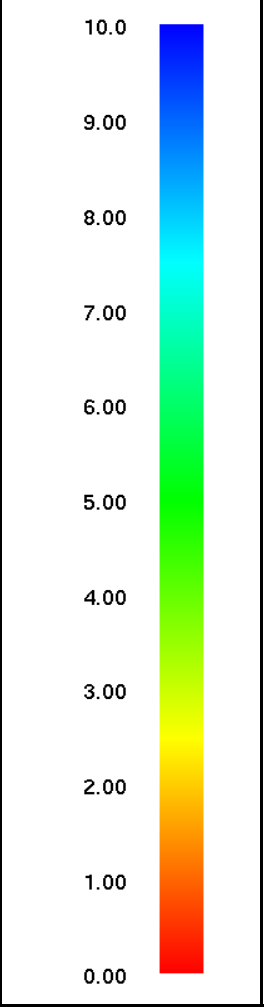


Coupe au droit du foyer



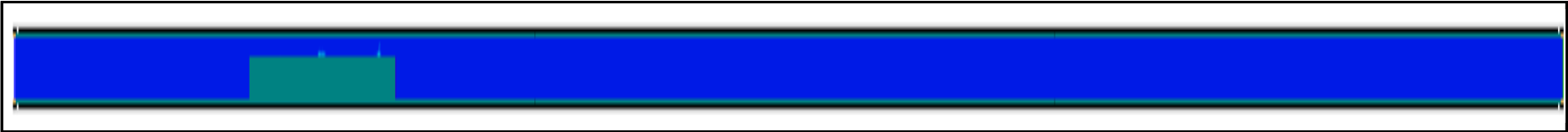
Coupe en entrée

Visibilité  
(m)





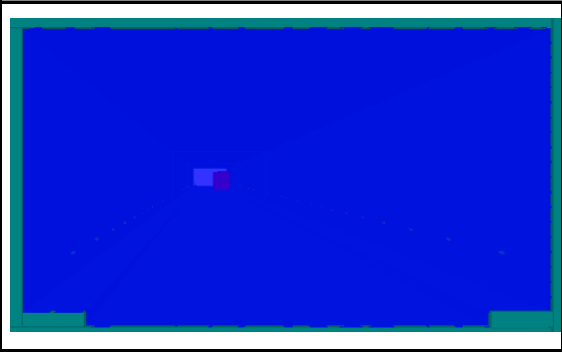
Scénario 5 : Incendie 10 MW - T = 150 s



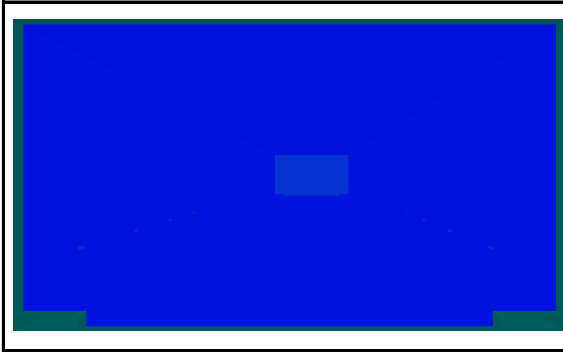
Coupe longitudinale



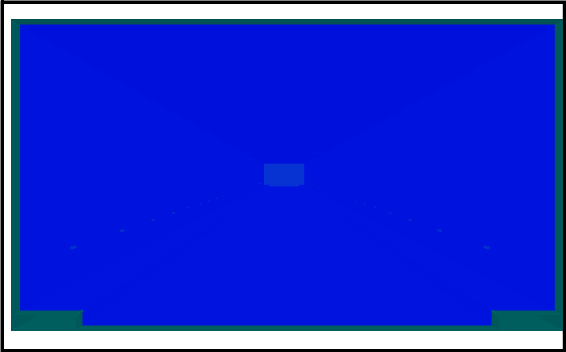
Vue à hauteur d'Homme (z=2m)



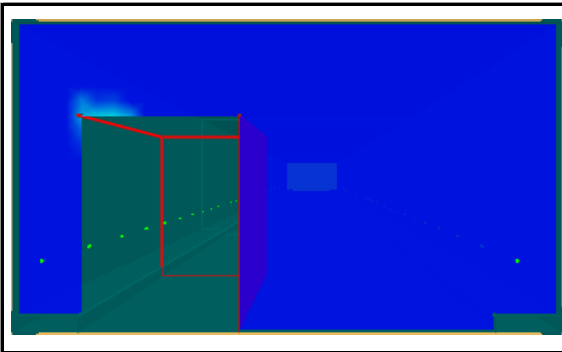
Coupe en entrée



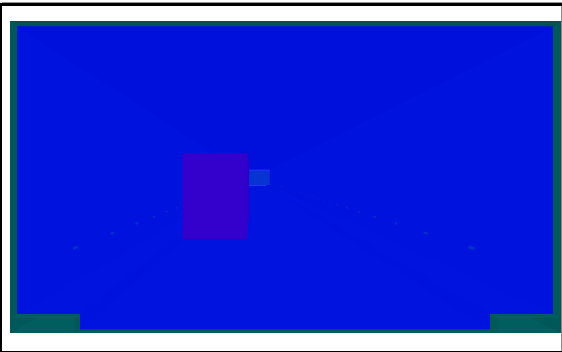
Coupe intermédiaire



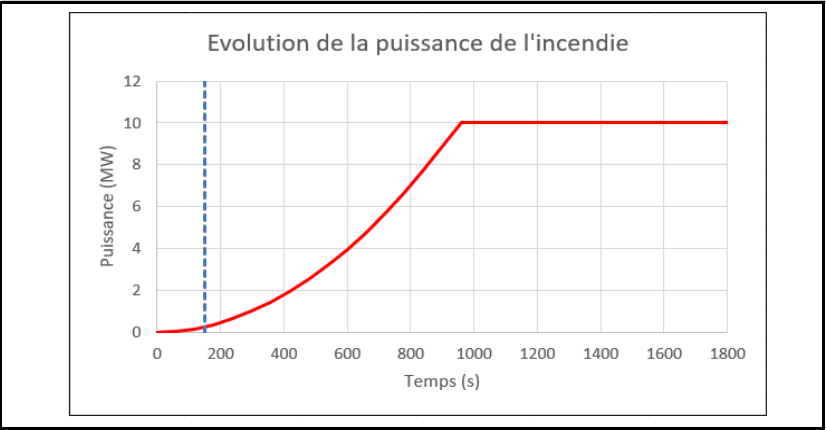
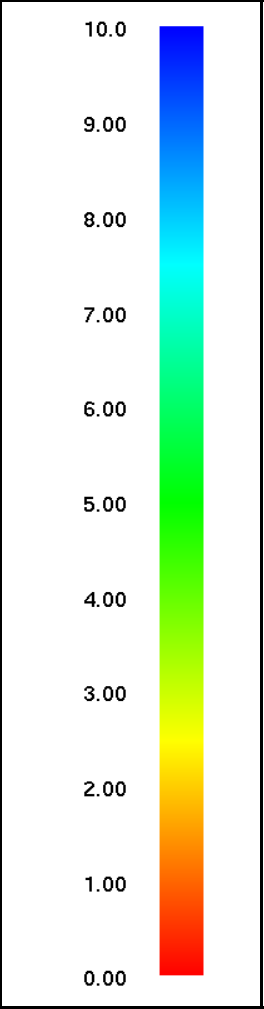
Coupe au niveau de l'issue



Coupe au droit du foyer



Coupe en entrée



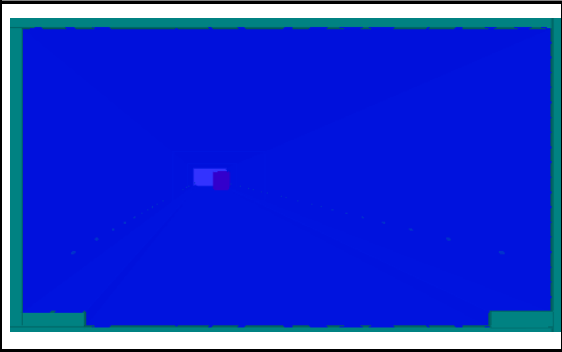
Scénario 5 : Incendie 10 MW - T = 180 s



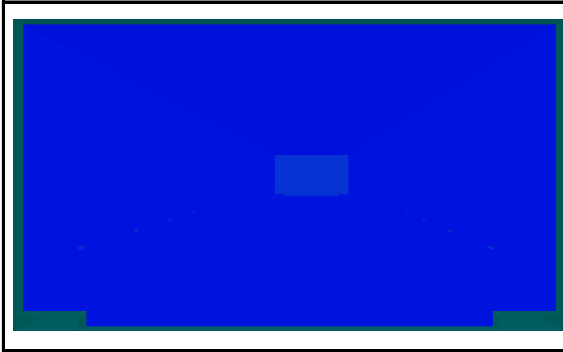
Coupe longitudinale



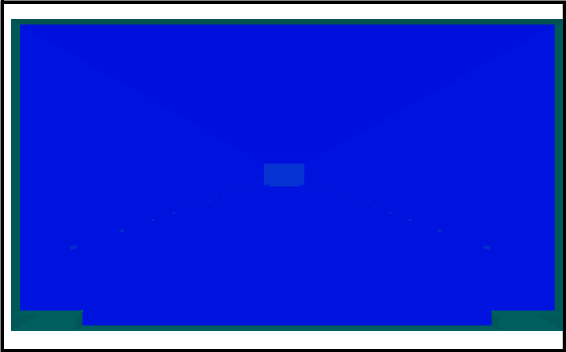
Vue à hauteur d'Homme (z=2m)



Coupe en entrée

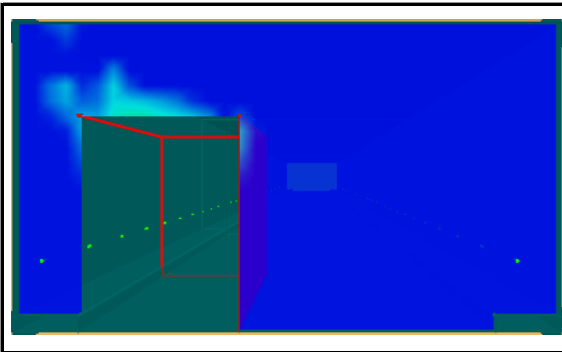
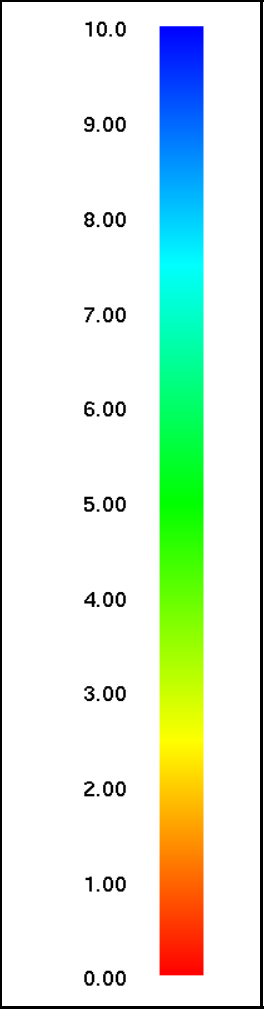


Coupe intermédiaire

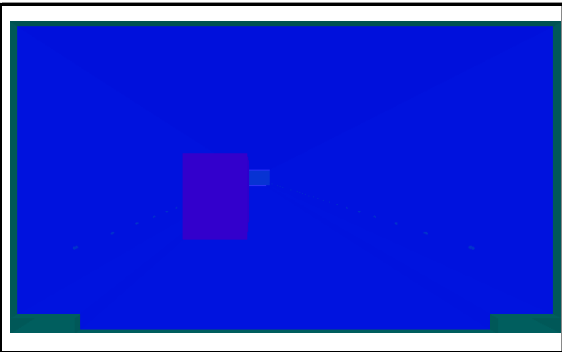


Coupe au niveau de l'issue

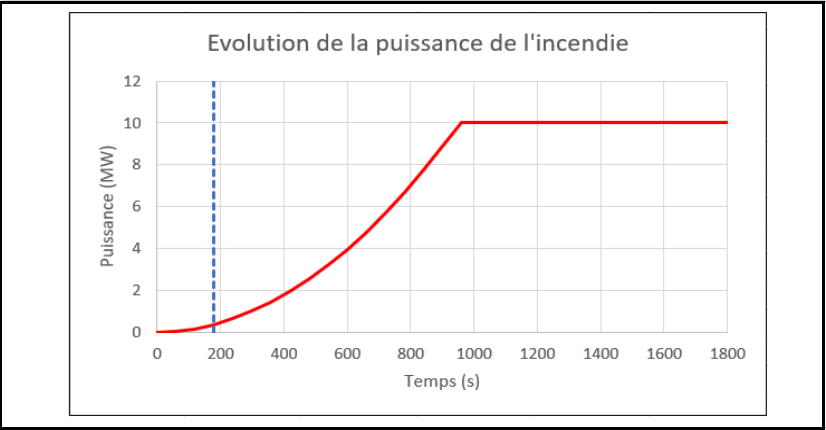
Visibilité  
(m)

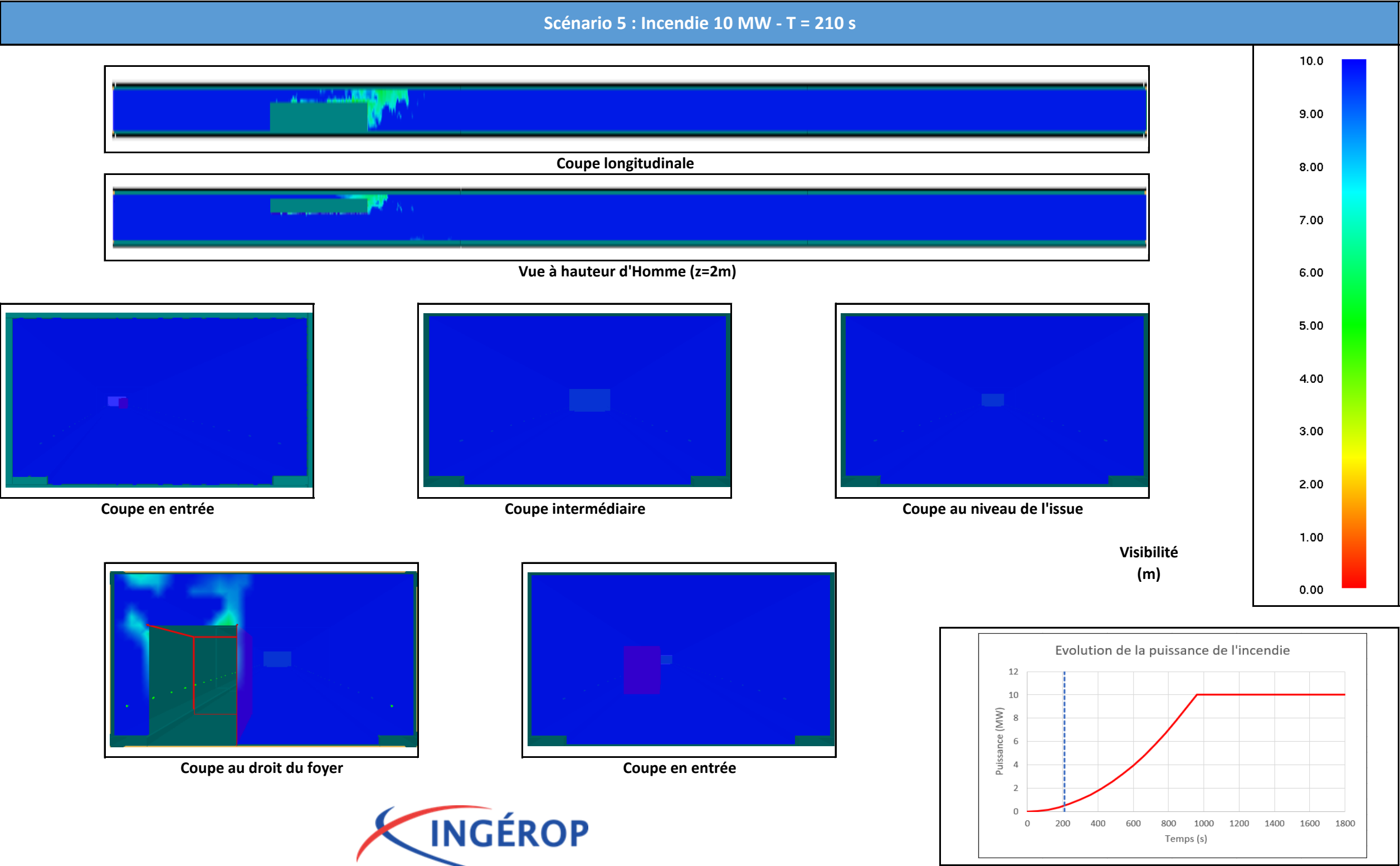


Coupe au droit du foyer



Coupe en entrée





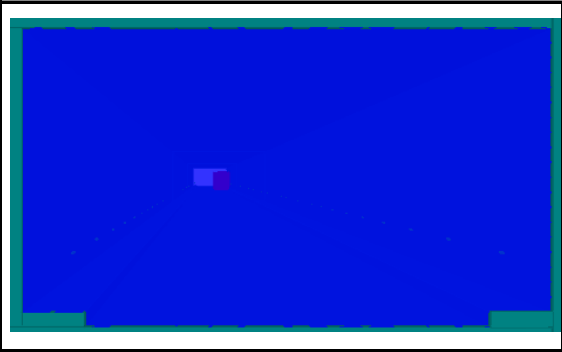
Scénario 5 : Incendie 10 MW - T = 240 s



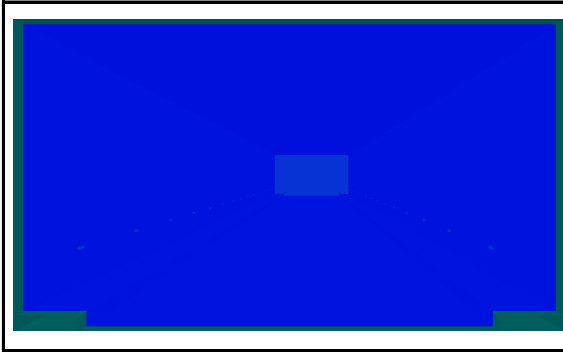
Coupe longitudinale



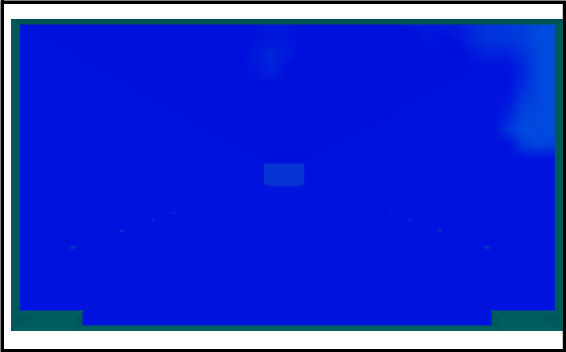
Vue à hauteur d'Homme (z=2m)



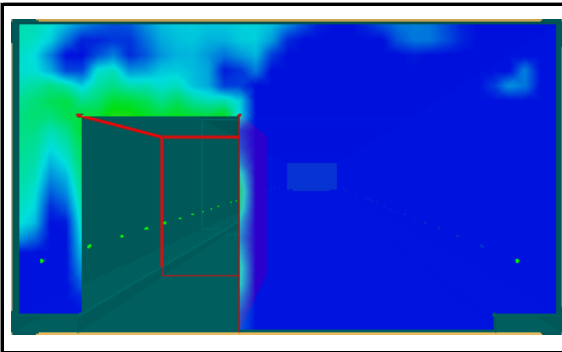
Coupe en entrée



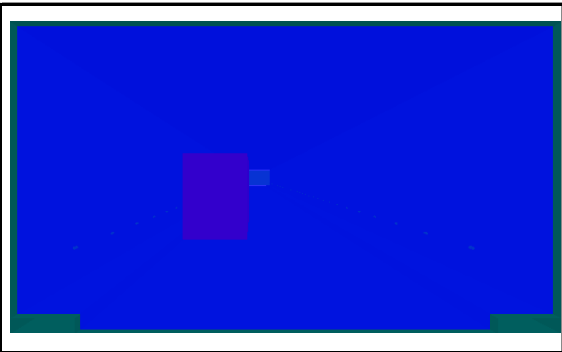
Coupe intermédiaire



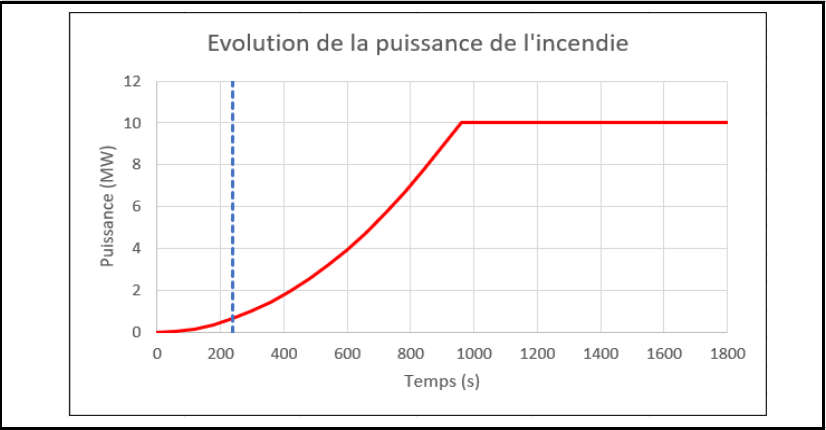
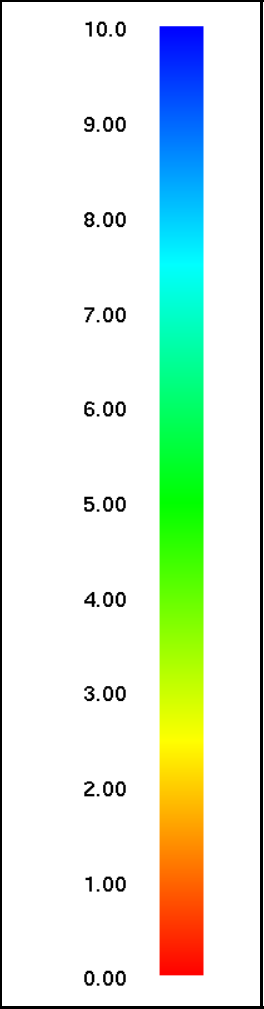
Coupe au niveau de l'issue



Coupe au droit du foyer



Coupe en entrée



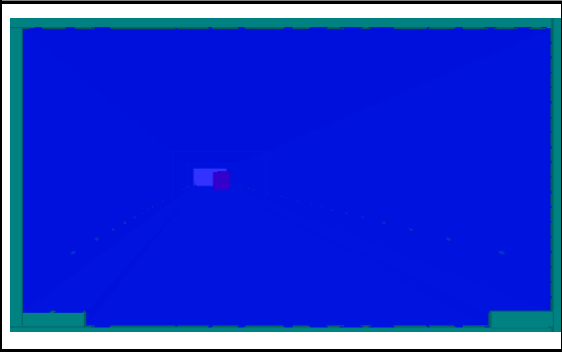
Scénario 5 : Incendie 10 MW - T = 270 s



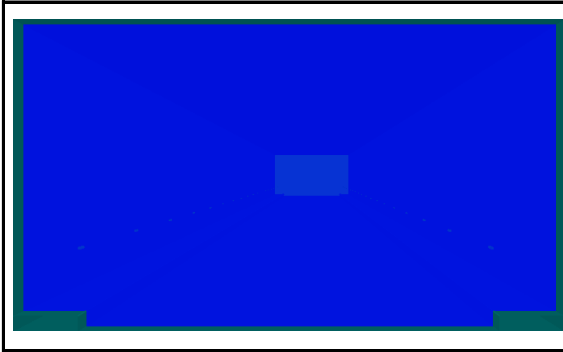
Coupe longitudinale



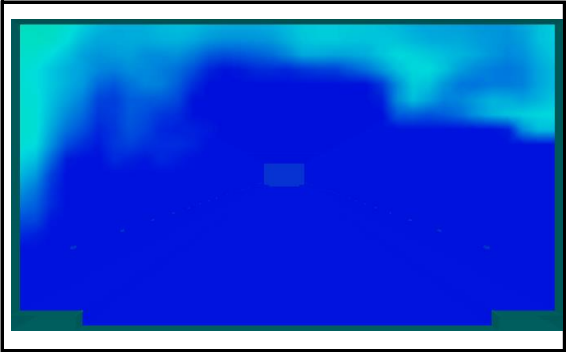
Vue à hauteur d'Homme (z=2m)



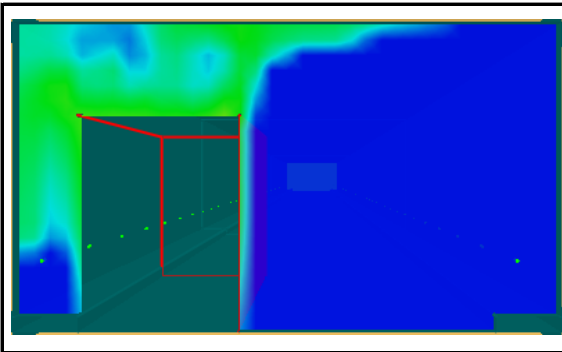
Coupe en entrée



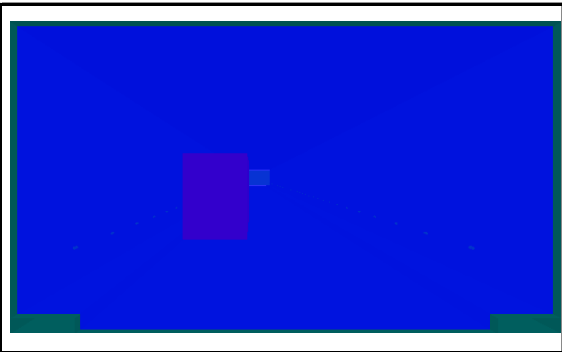
Coupe intermédiaire



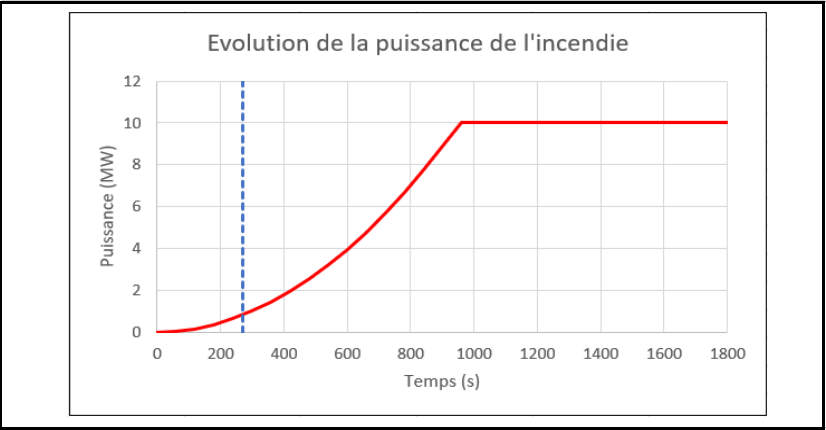
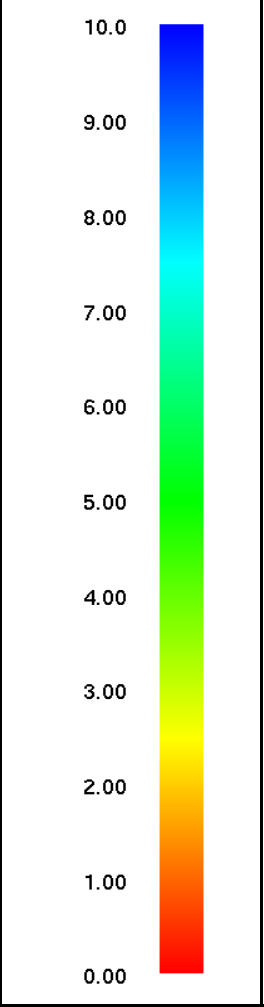
Coupe au niveau de l'issue



Coupe au droit du foyer



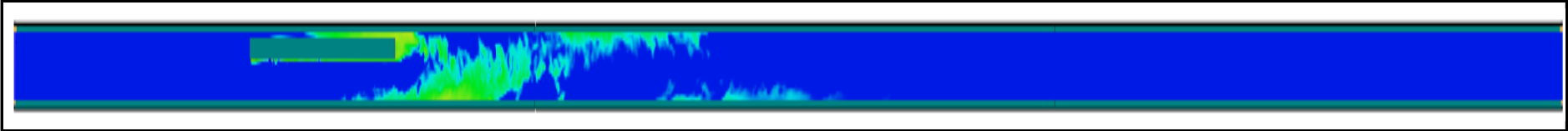
Coupe en entrée



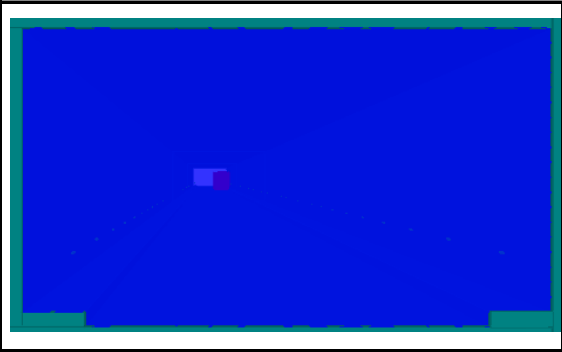
Scénario 5 : Incendie 10 MW - T = 300 s



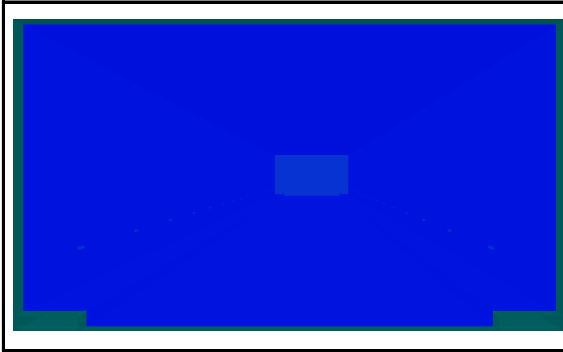
Coupe longitudinale



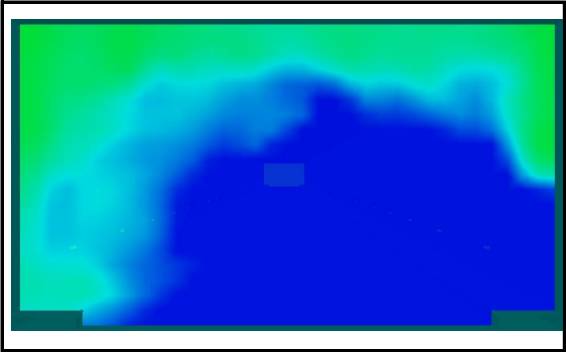
Vue à hauteur d'Homme (z=2m)



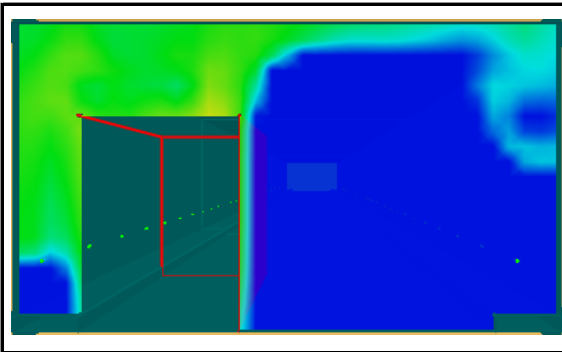
Coupe en entrée



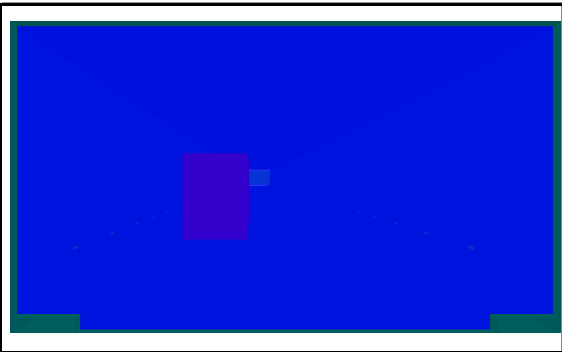
Coupe intermédiaire



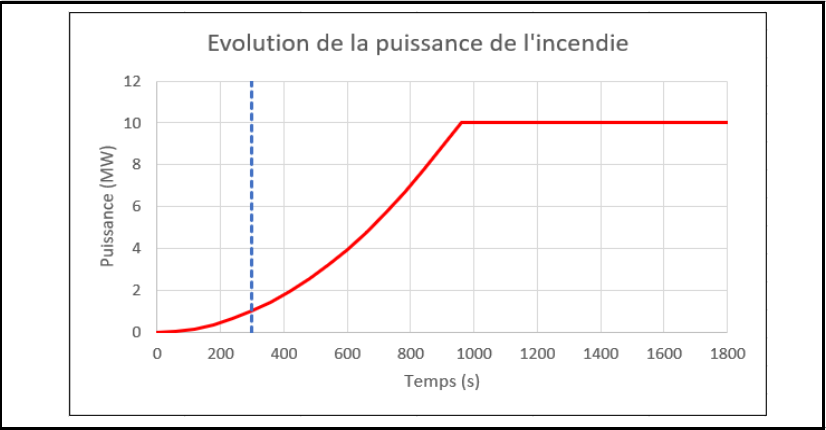
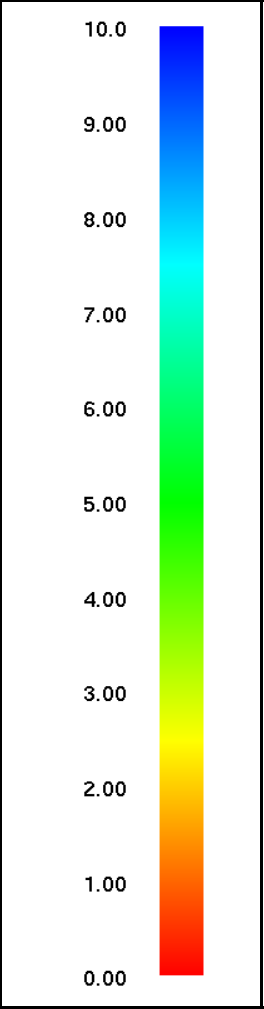
Coupe au niveau de l'issue



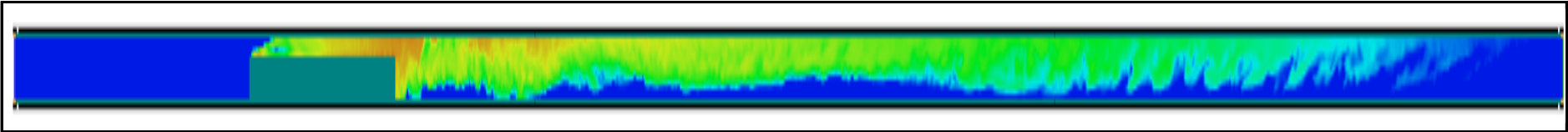
Coupe au droit du foyer



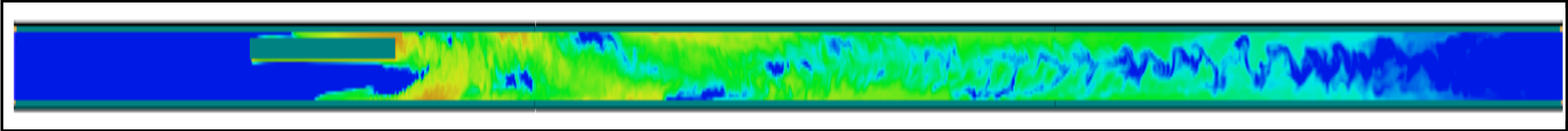
Coupe en entrée



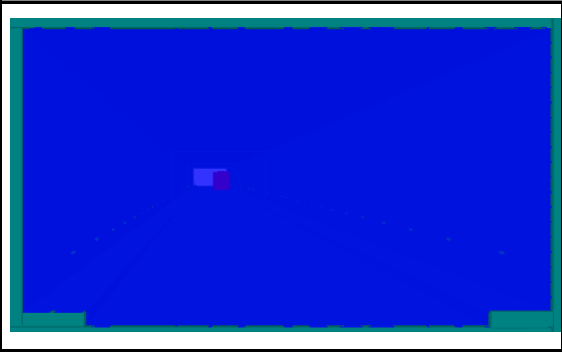
Scénario 5 : Incendie 10 MW - T = 420 s



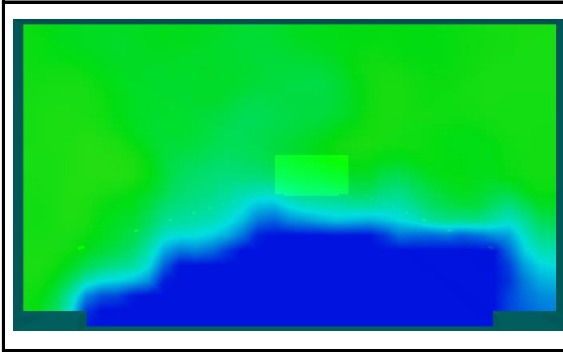
Coupe longitudinale



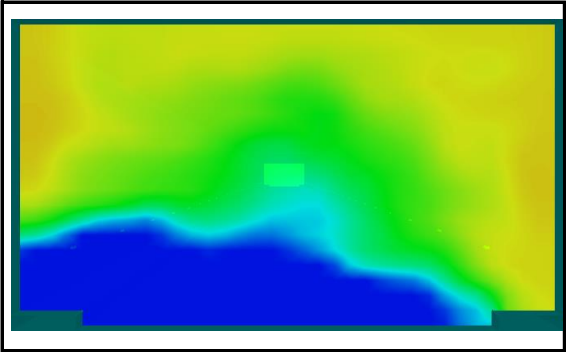
Vue à hauteur d'Homme (z=2m)



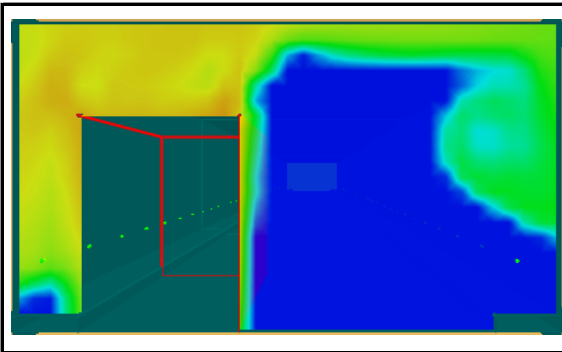
Coupe en entrée



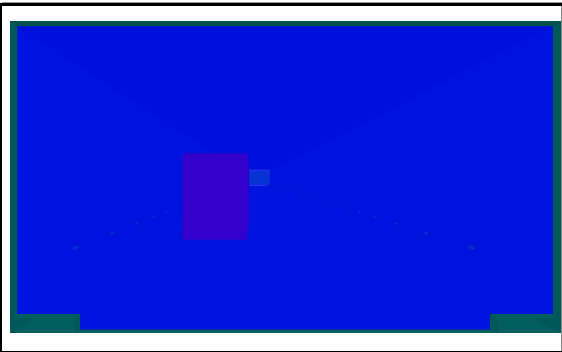
Coupe intermédiaire



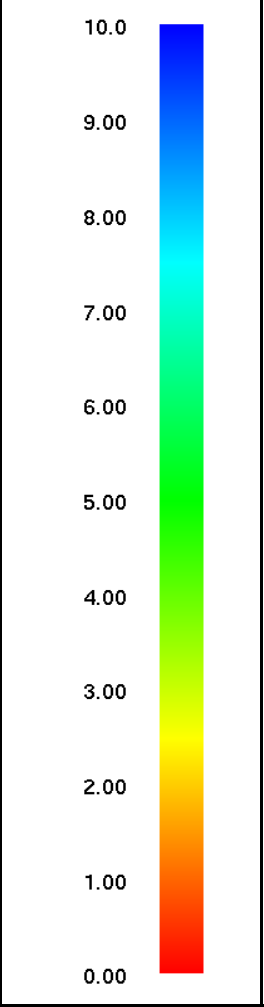
Coupe au niveau de l'issue



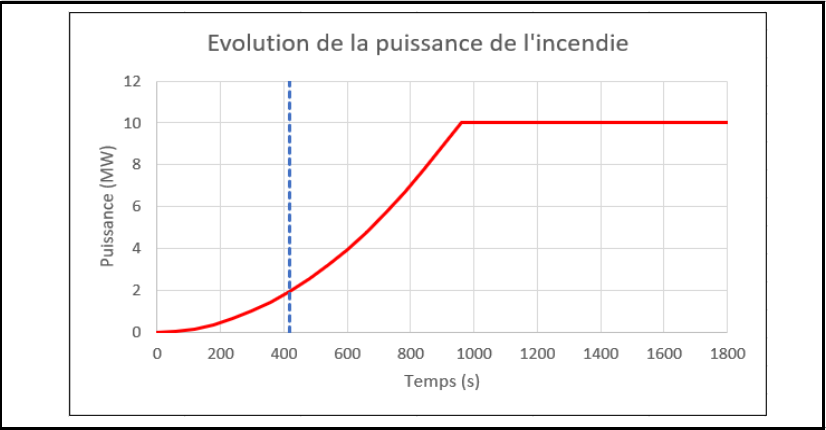
Coupe au droit du foyer



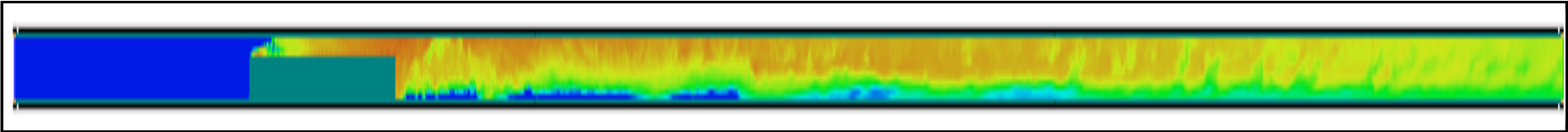
Coupe en entrée



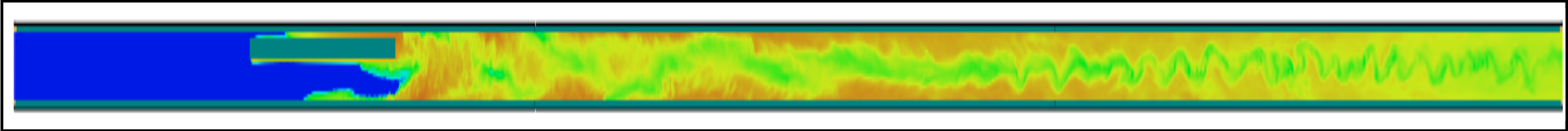
Visibilité  
(m)



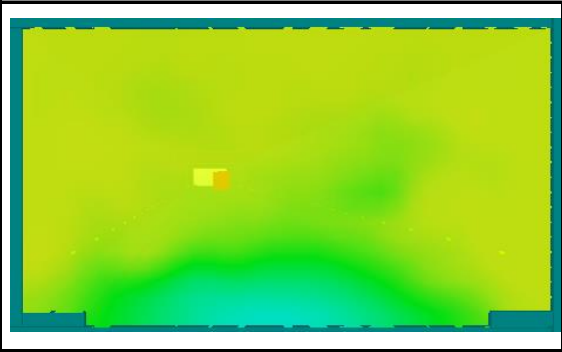
Scénario 5 : Incendie 10 MW - T = 600 s



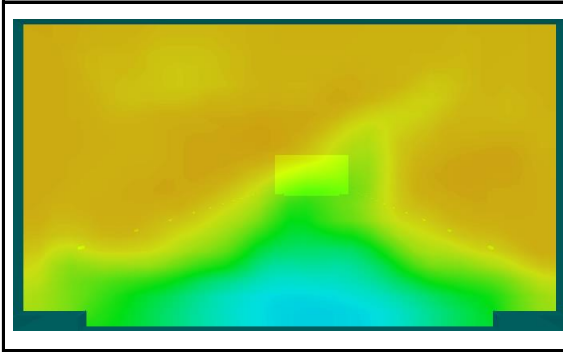
Coupe longitudinale



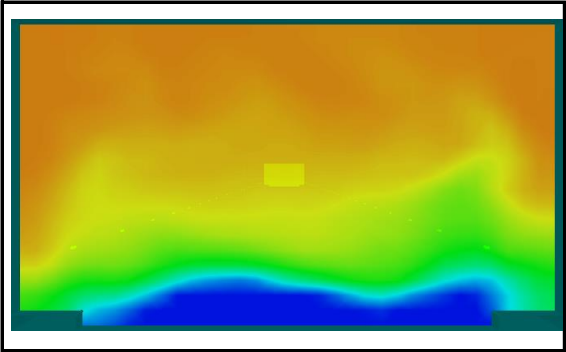
Vue à hauteur d'Homme (z=2m)



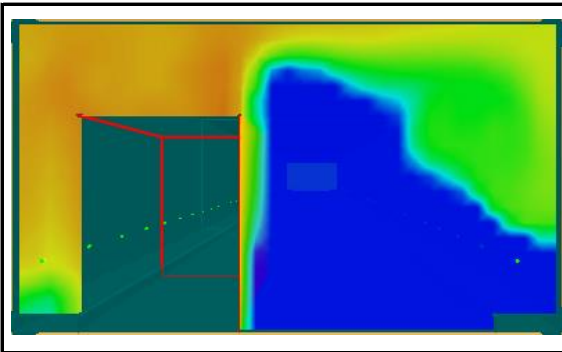
Coupe en entrée



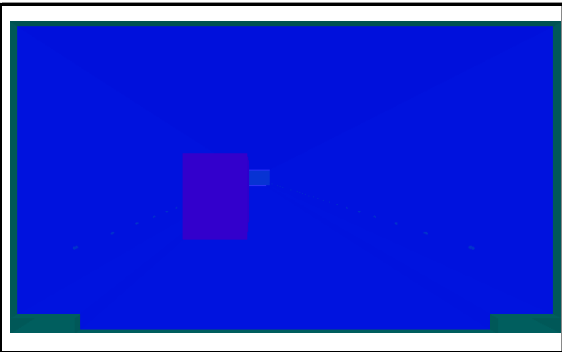
Coupe intermédiaire



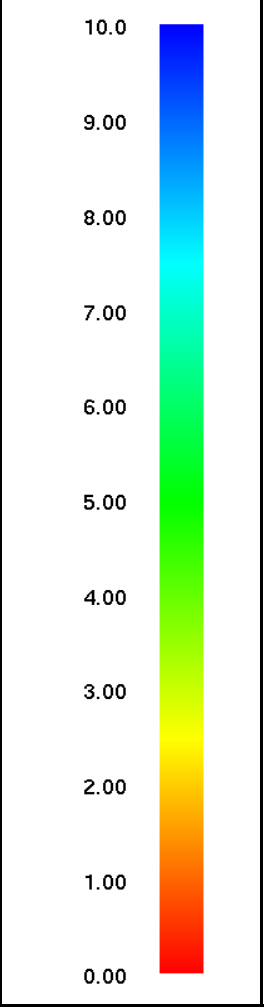
Coupe au niveau de l'issue



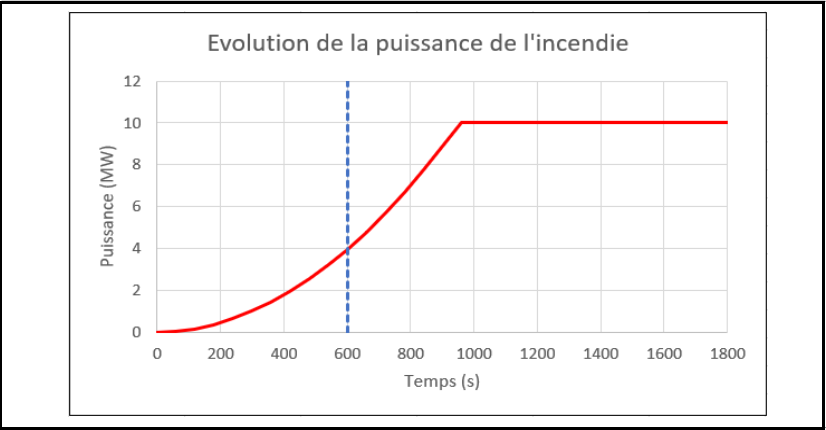
Coupe au droit du foyer



Coupe en entrée

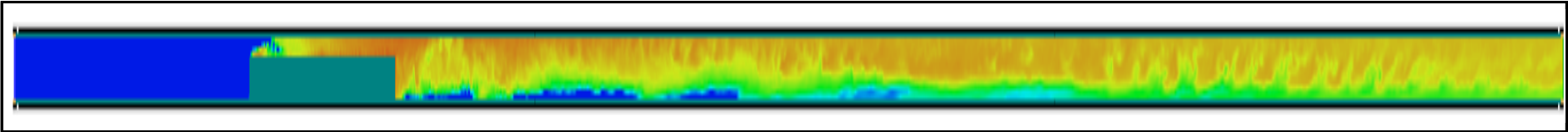


Visibilité  
(m)

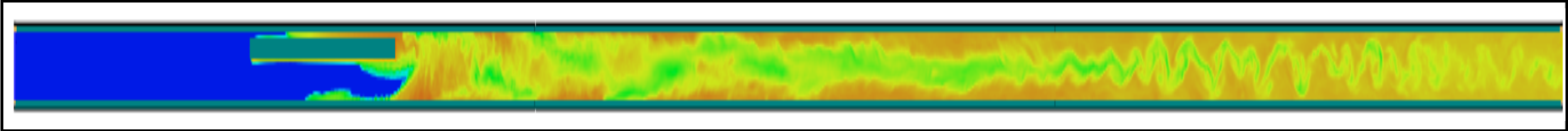




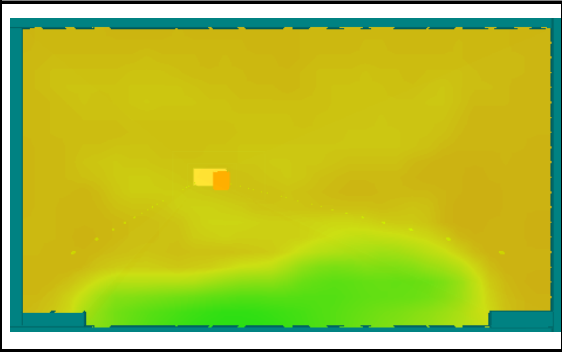
Scénario 5 : Incendie 10 MW - T = 900 s



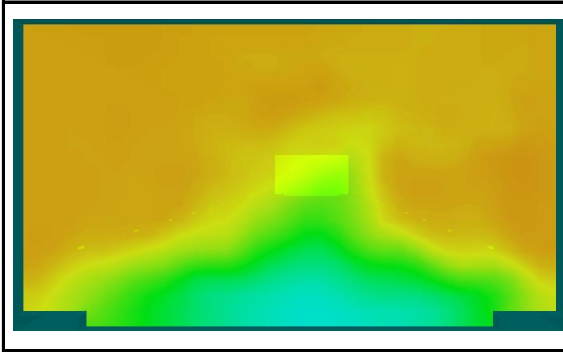
Coupe longitudinale



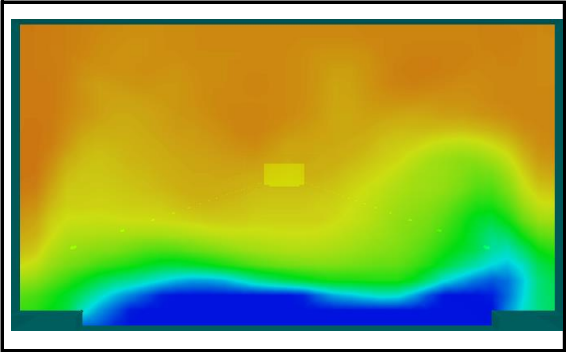
Vue à hauteur d'Homme (z=2m)



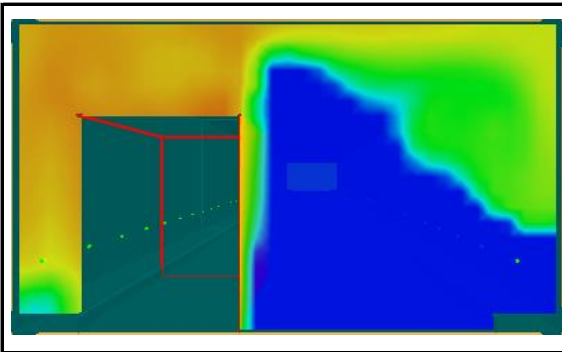
Coupe en entrée



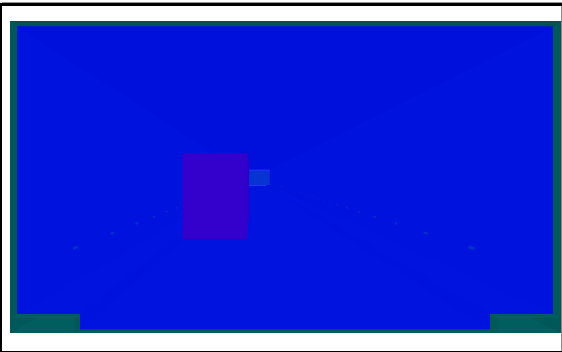
Coupe intermédiaire



Coupe au niveau de l'issue

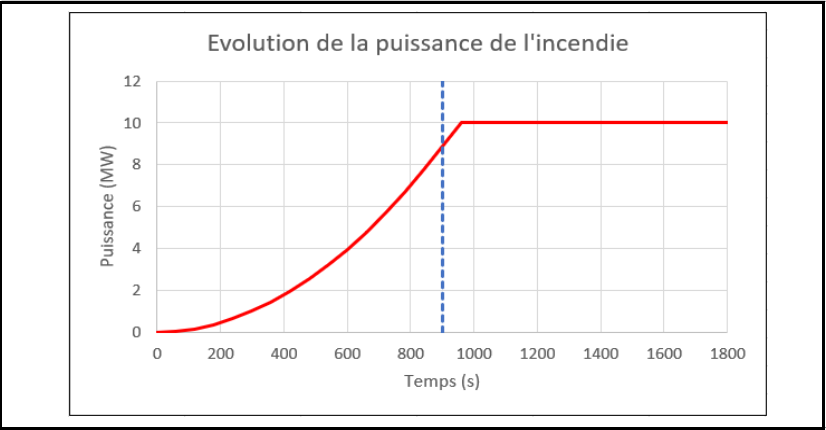
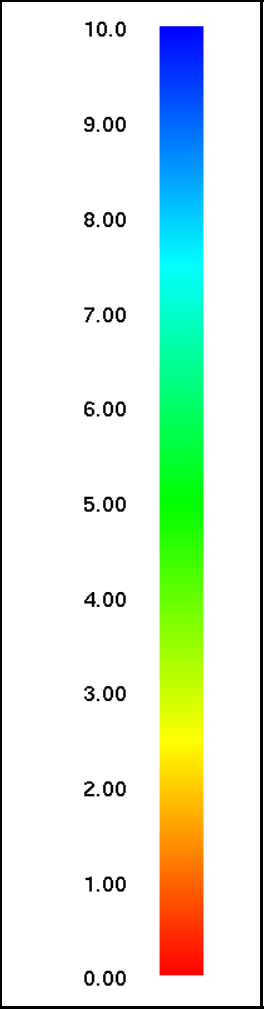


Coupe au droit du foyer

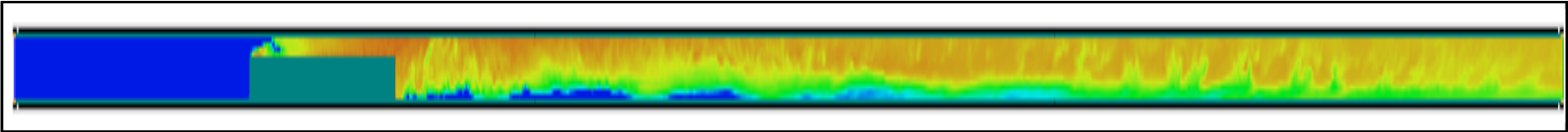


Coupe en entrée

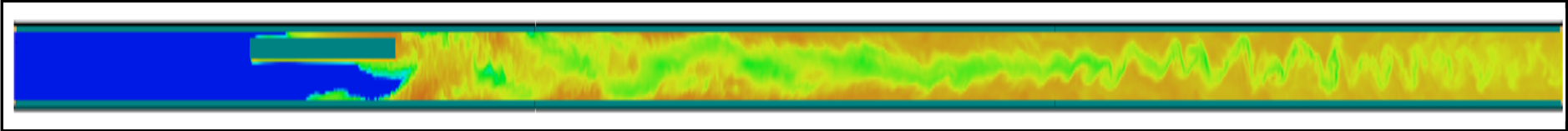
Visibilité  
(m)



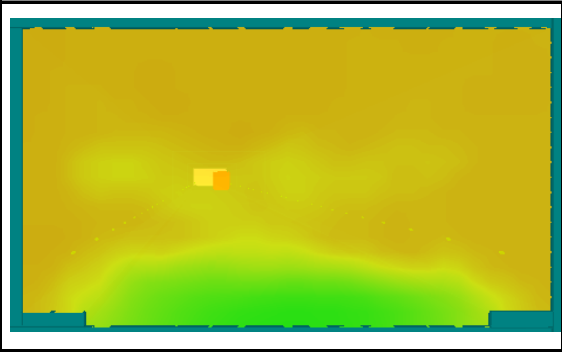
Scénario 5 : Incendie 10 MW - T = 1200 s



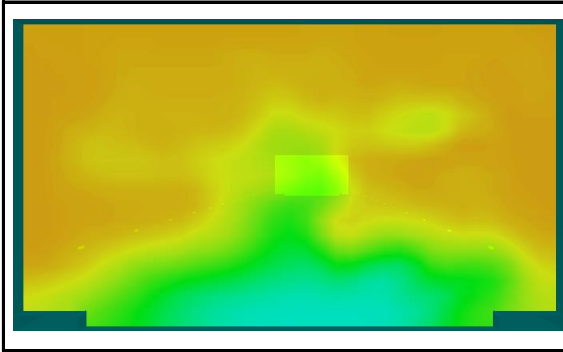
Coupe longitudinale



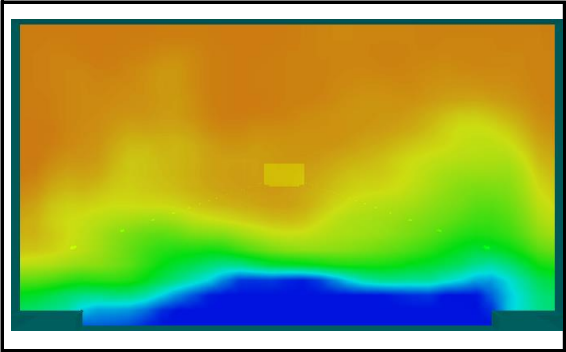
Vue à hauteur d'Homme (z=2m)



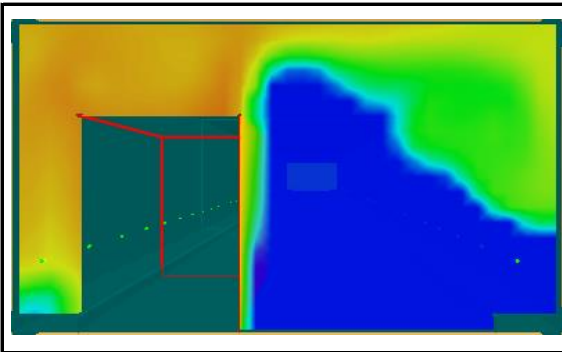
Coupe en entrée



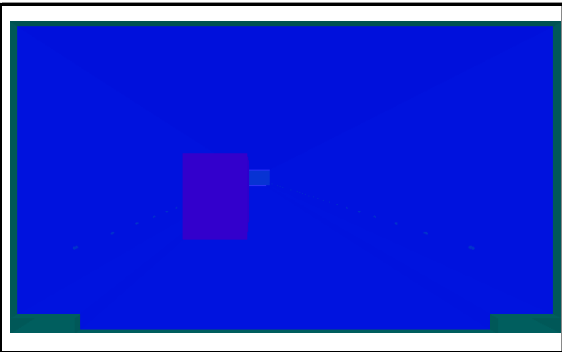
Coupe intermédiaire



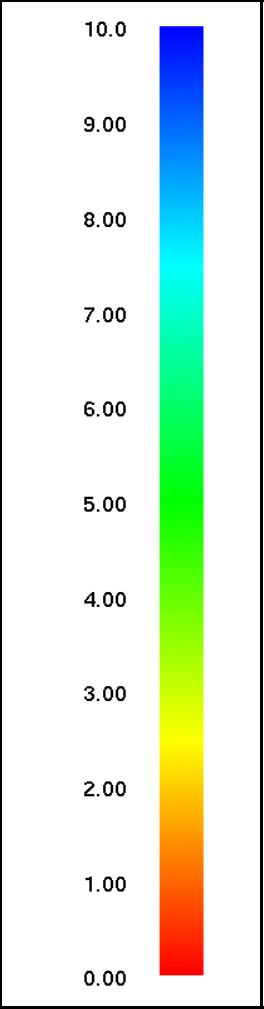
Coupe au niveau de l'issue



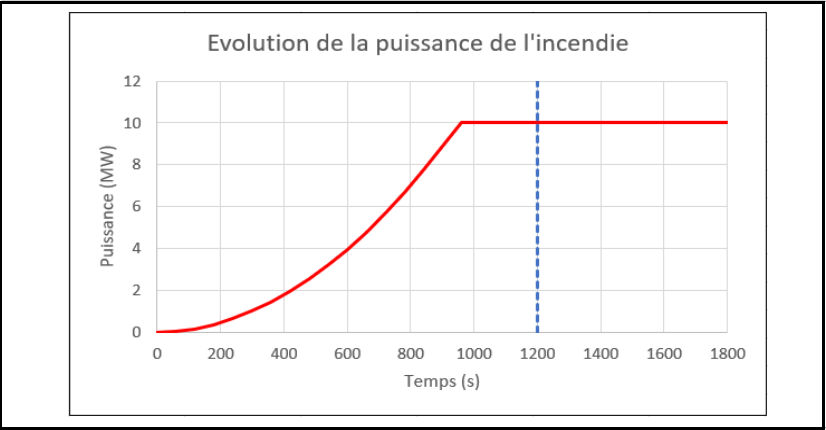
Coupe au droit du foyer



Coupe en entrée



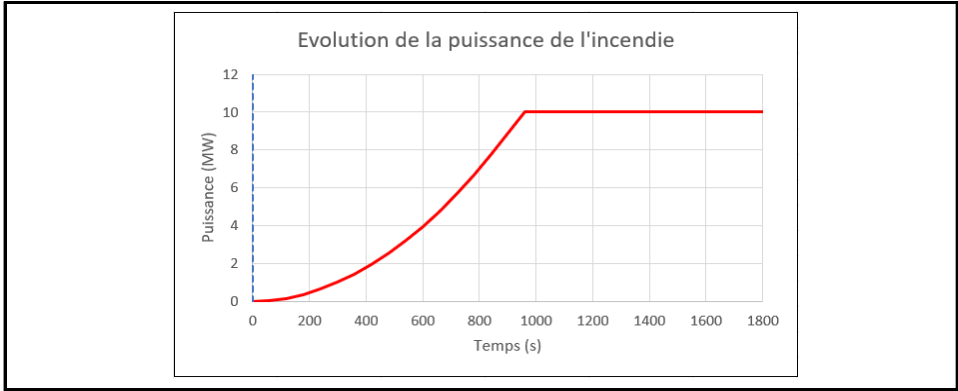
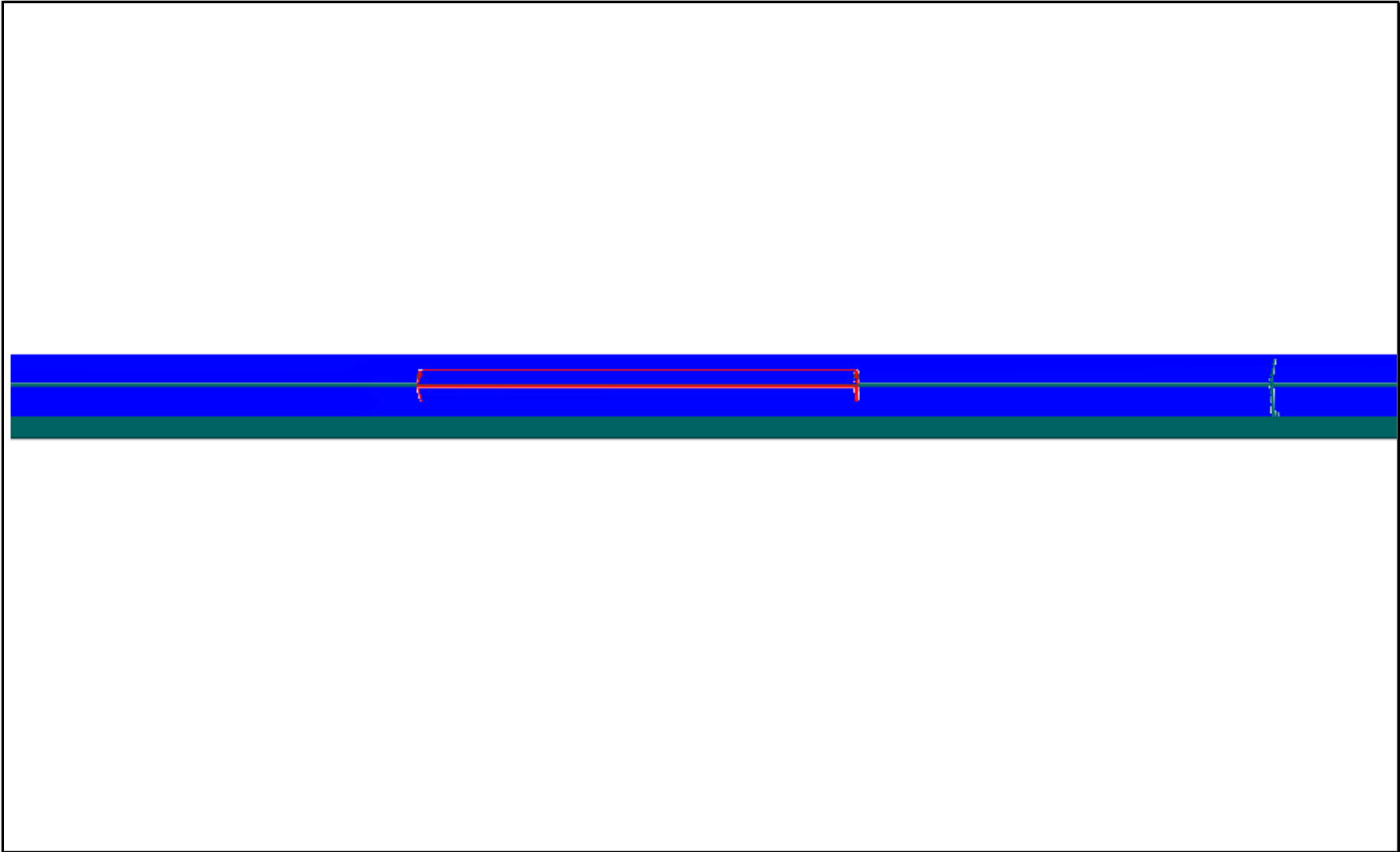
Visibilité  
(m)



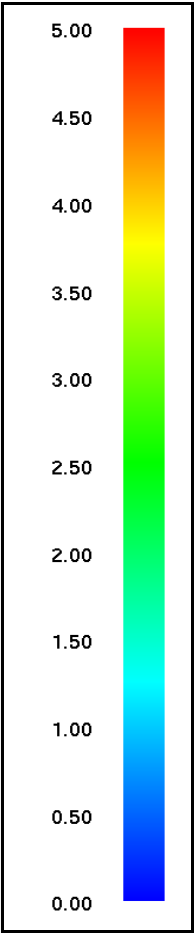
# Rayonnement

Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 0 s

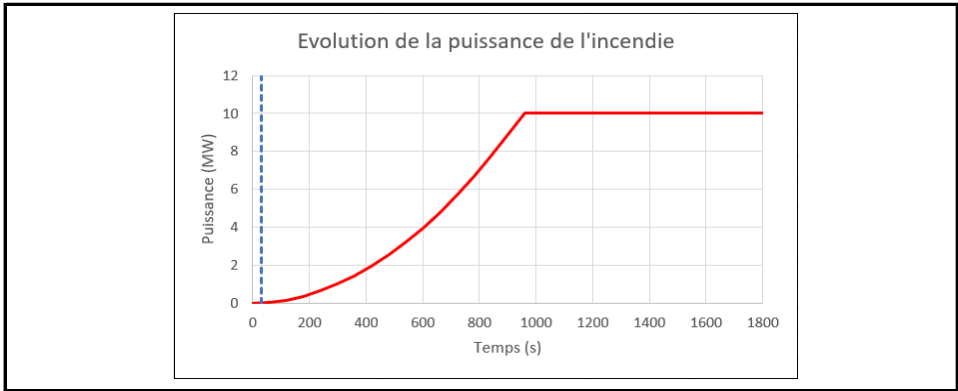
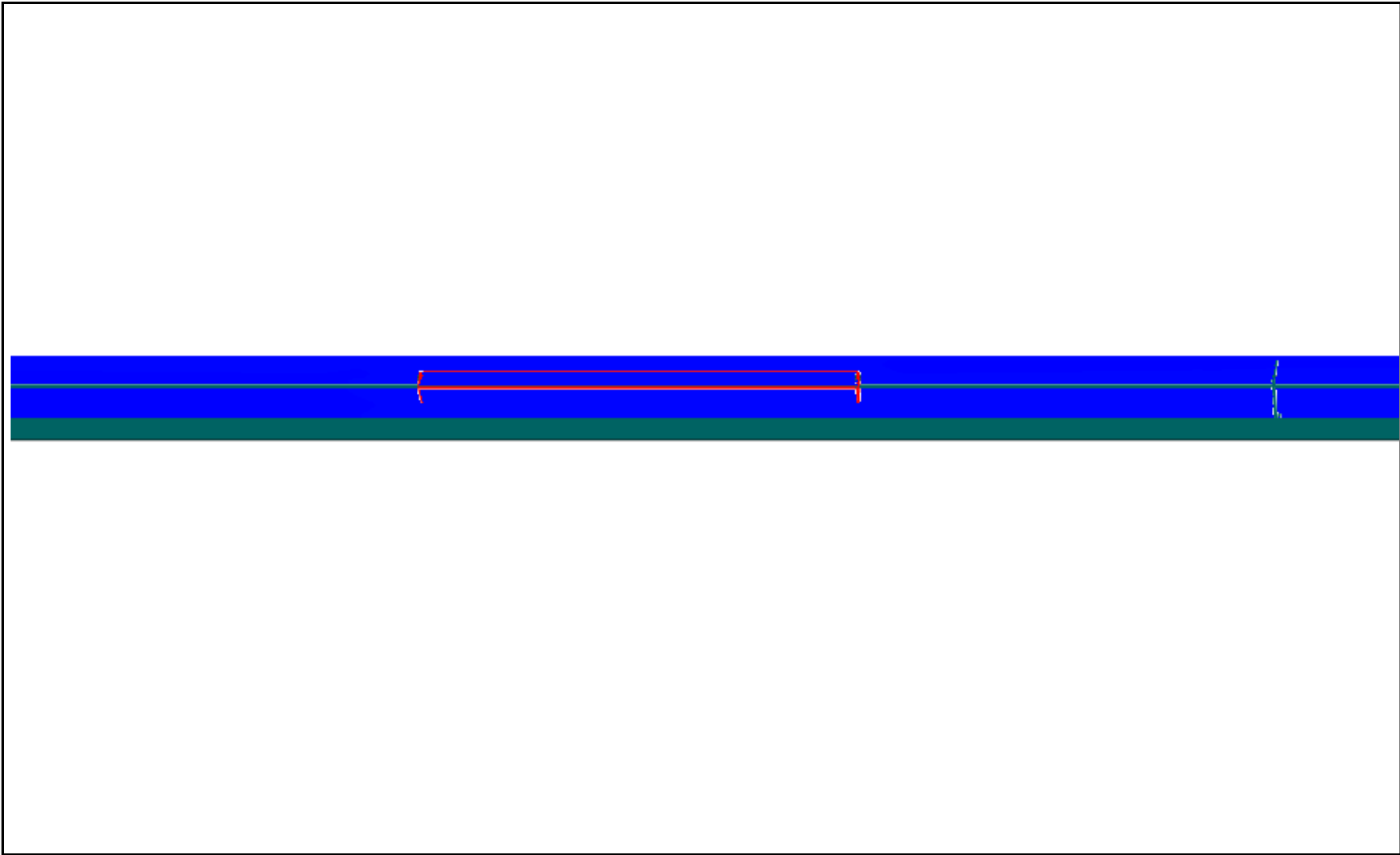


Rayonnement  
(KW/m²)

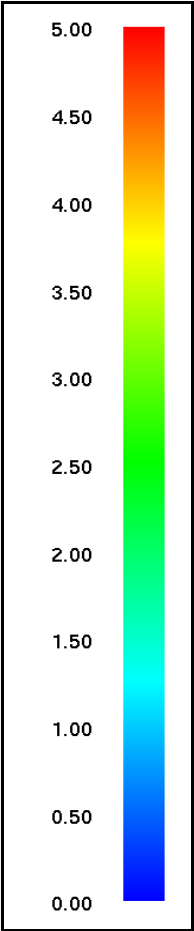


Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 30 s

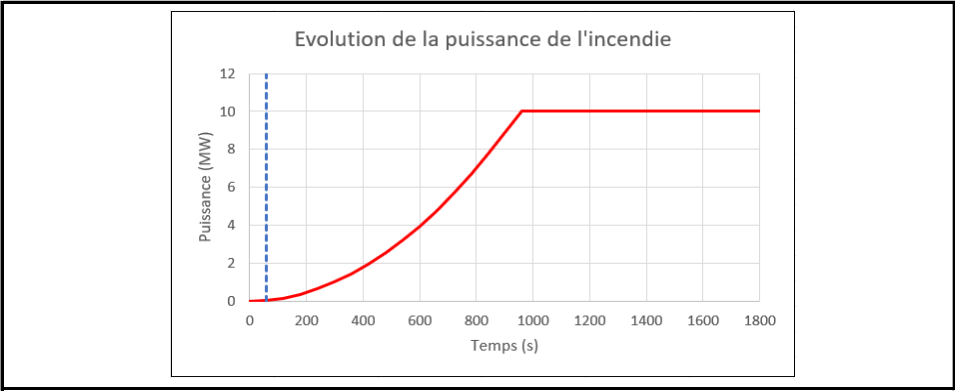
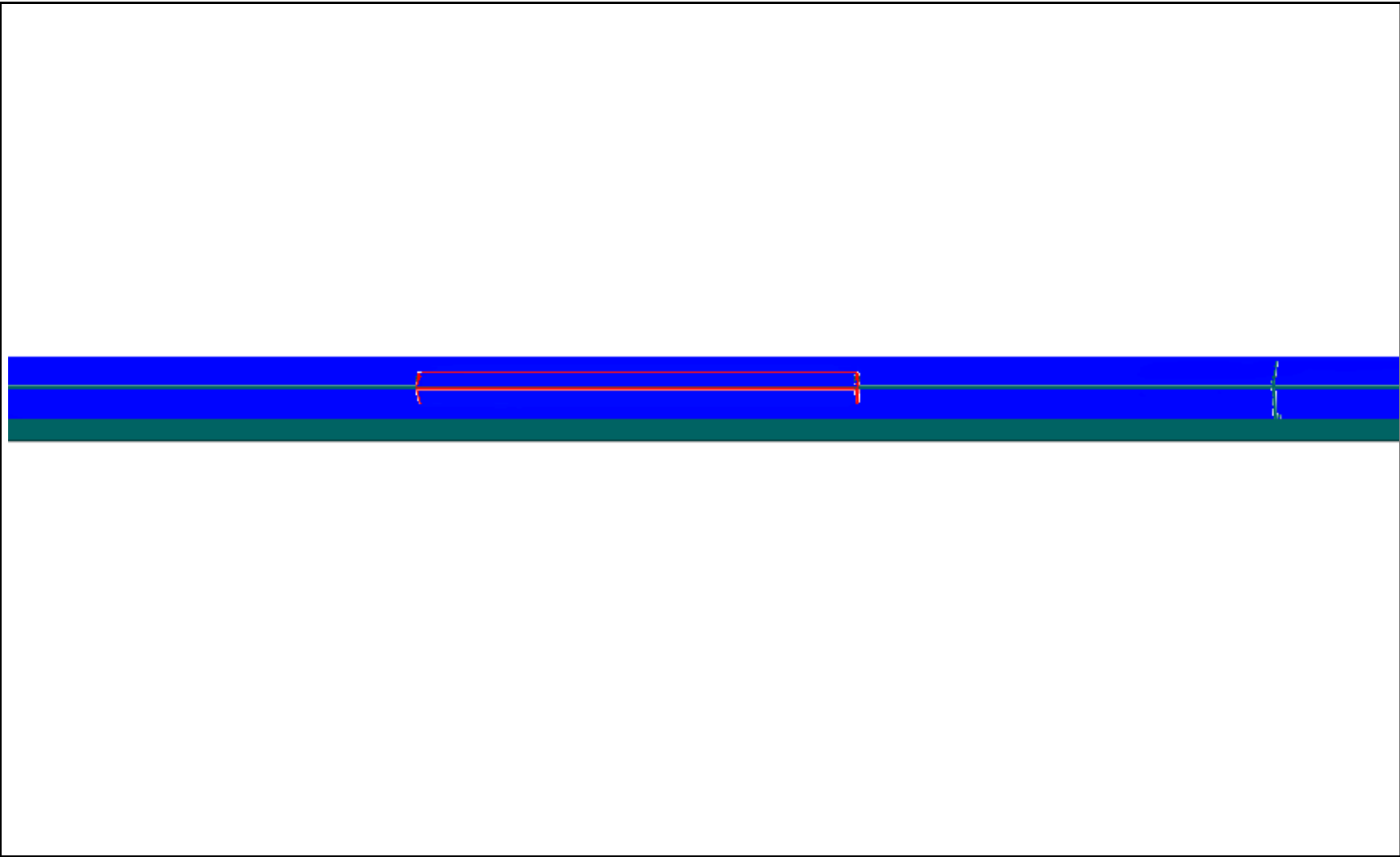


Rayonnement  
(KW/m²)

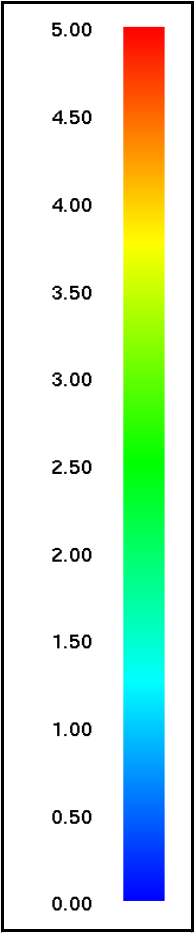


Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 60 s

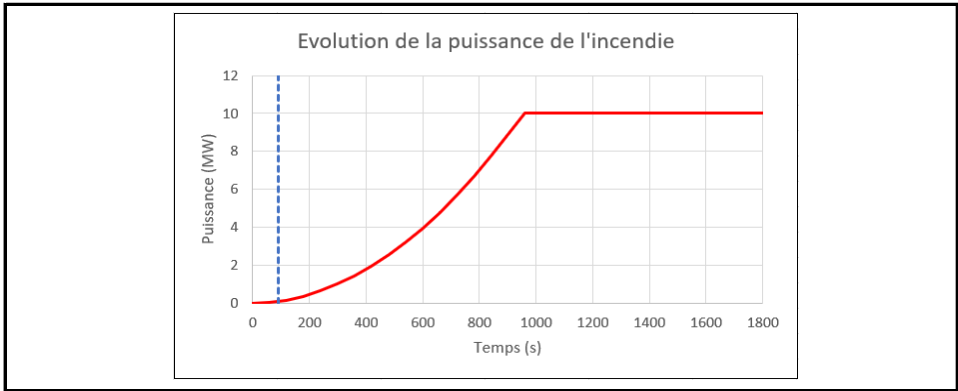
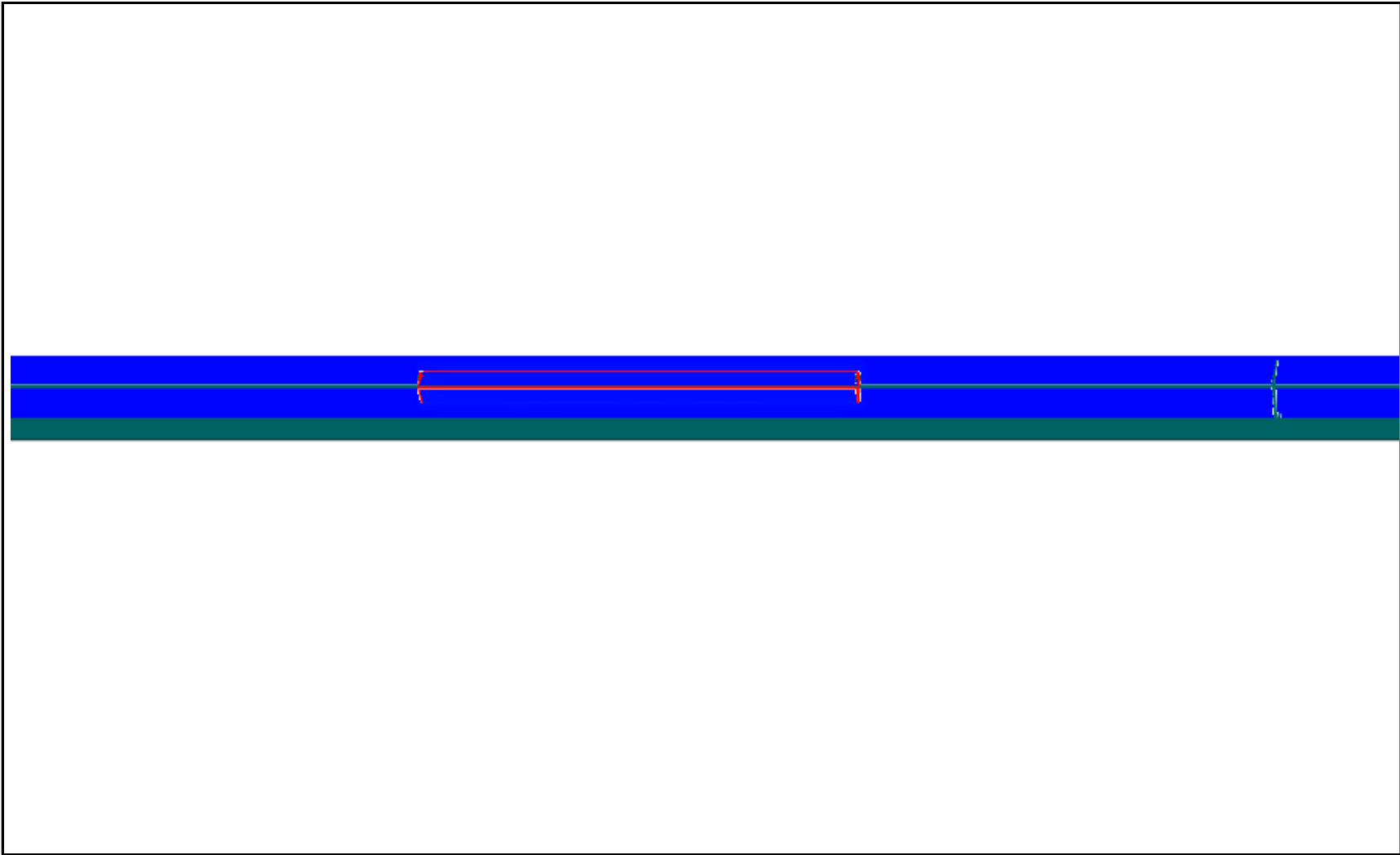


Rayonnement  
(KW/m²)

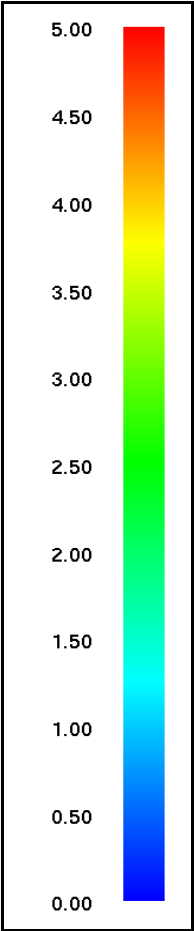


Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 90 s

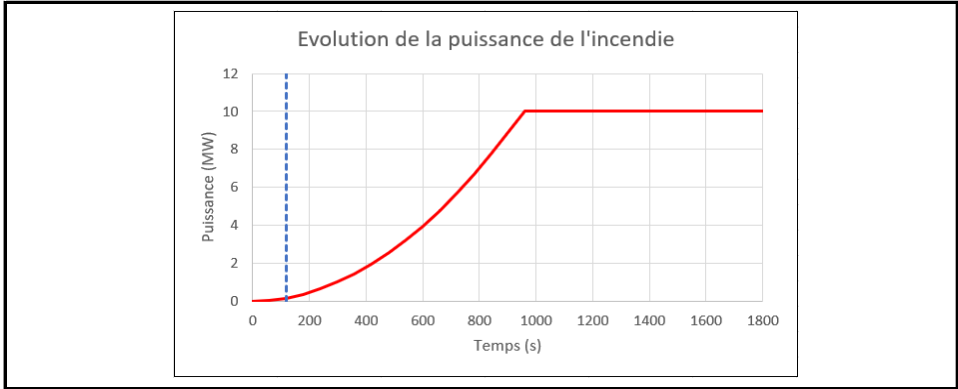
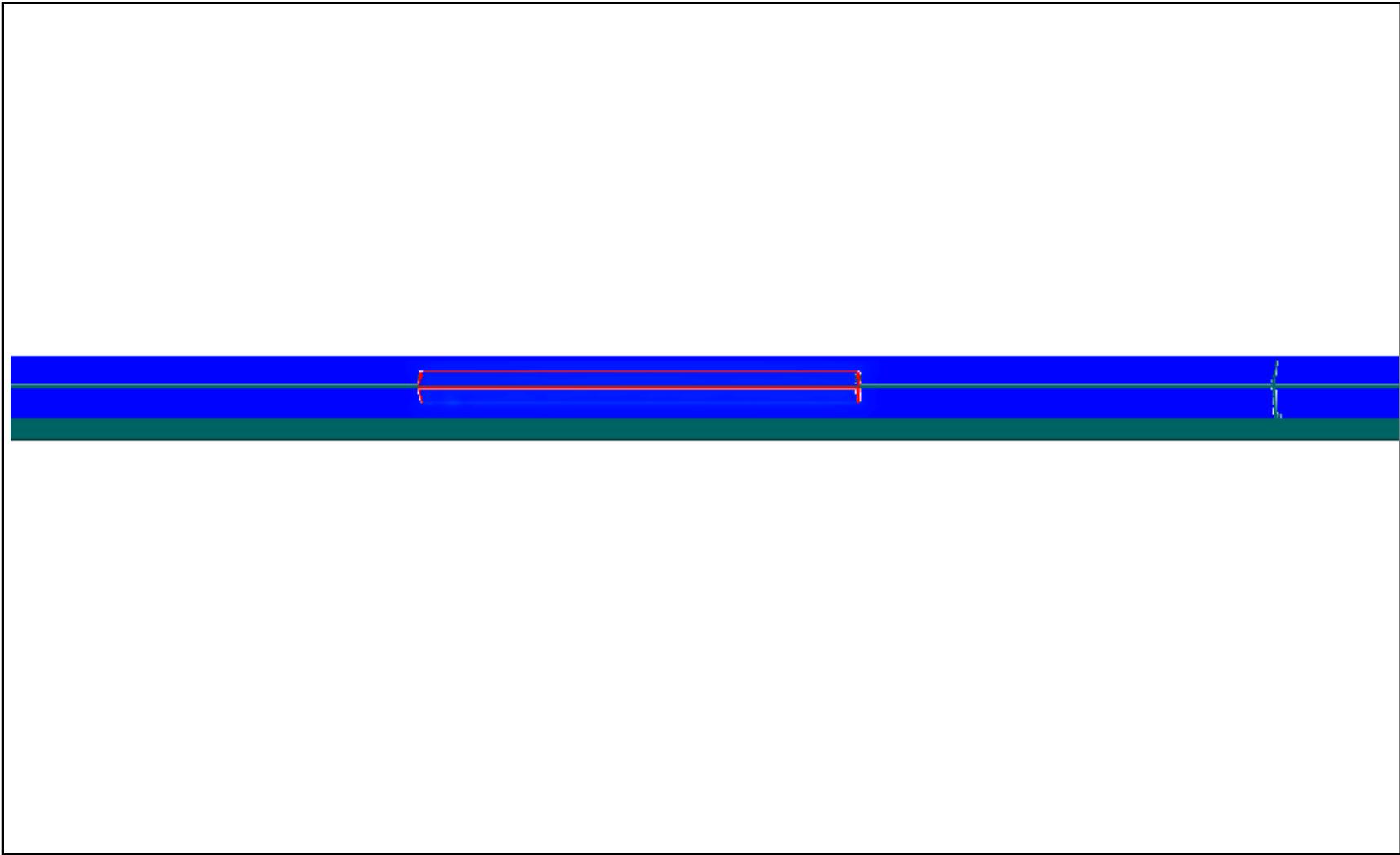


Rayonnement  
(KW/m²)

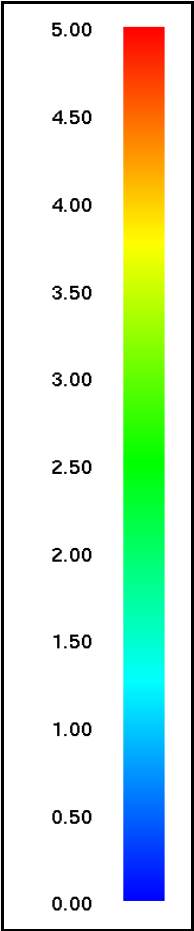


Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 120 s



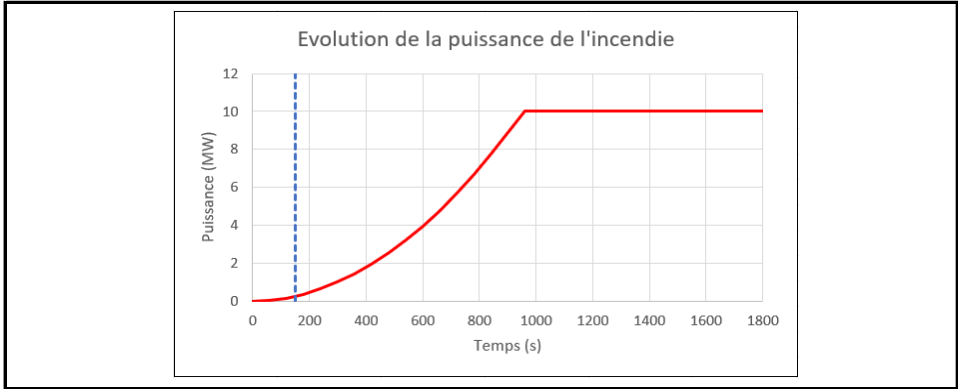
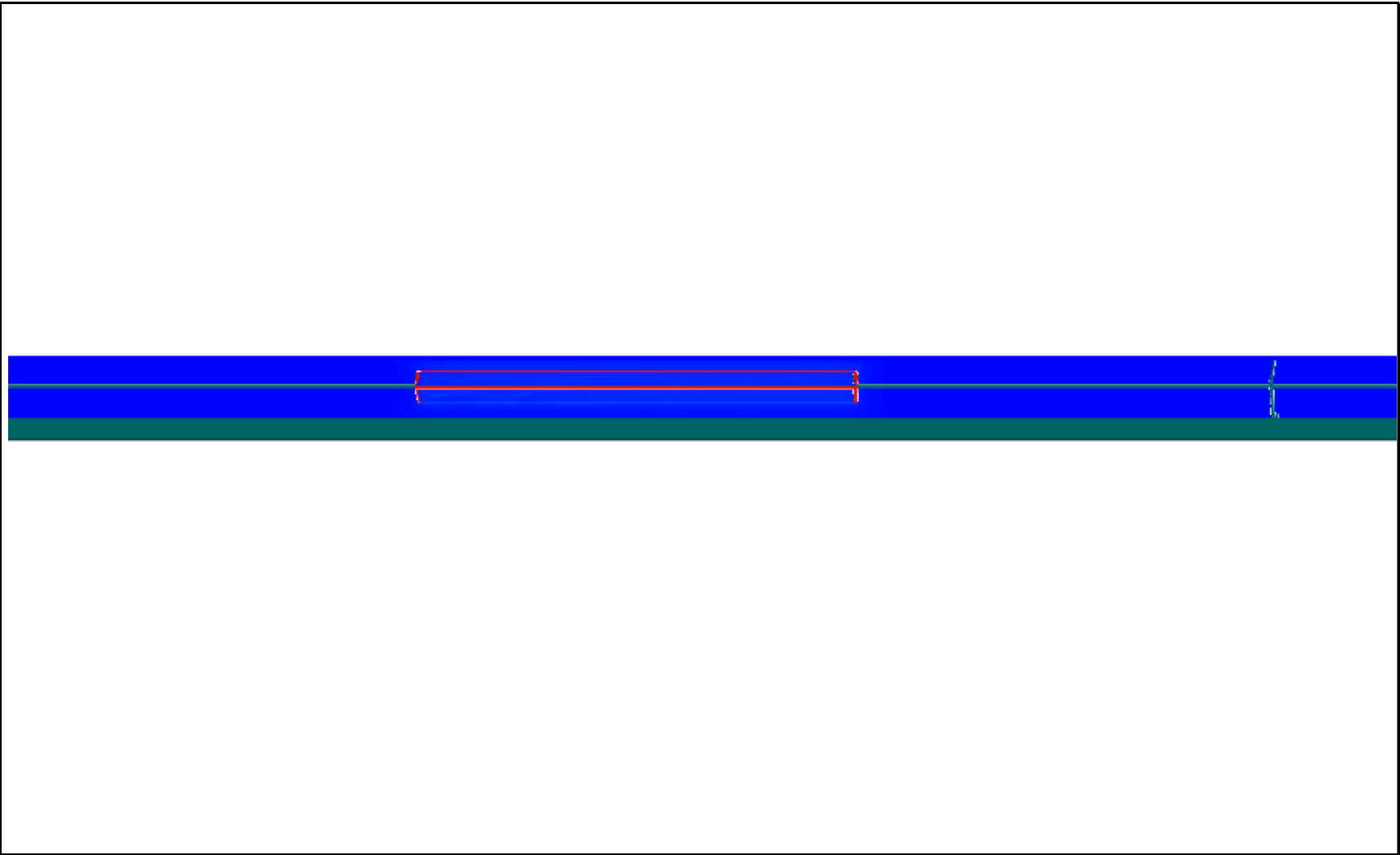
Rayonnement  
(KW/m²)



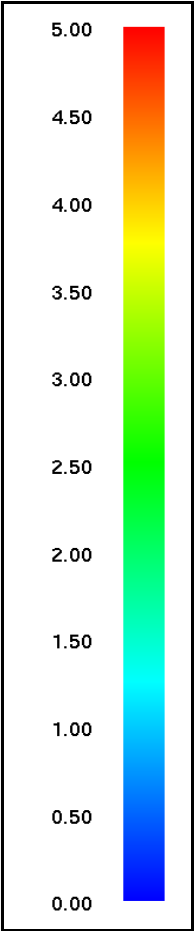
Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)



Scénario 5 : Incendie 10 MW - T = 150 s

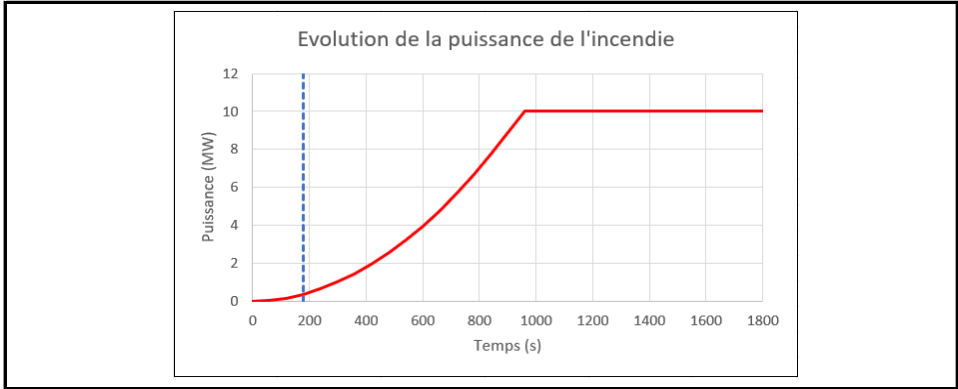
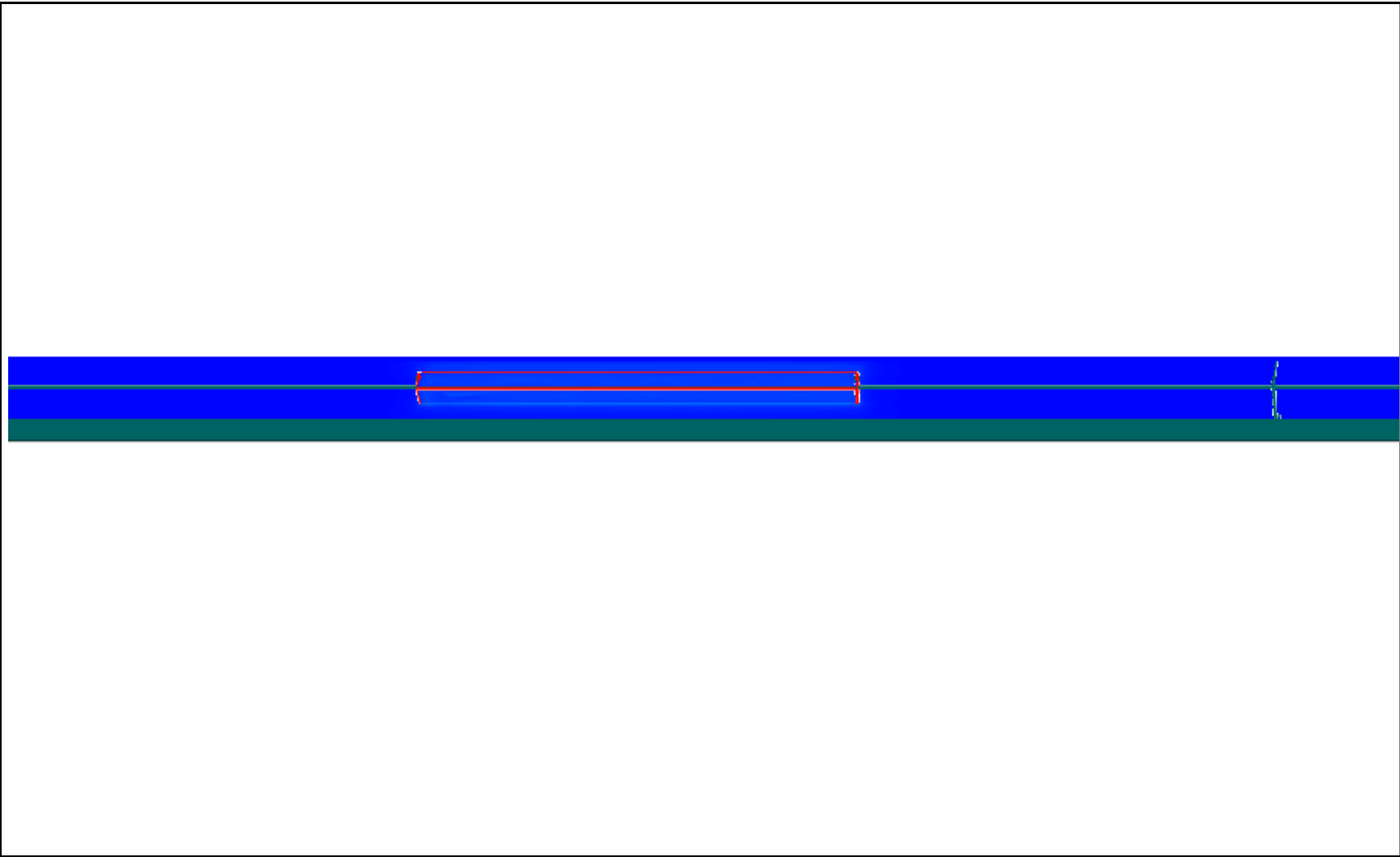


Rayonnement  
(KW/m²)

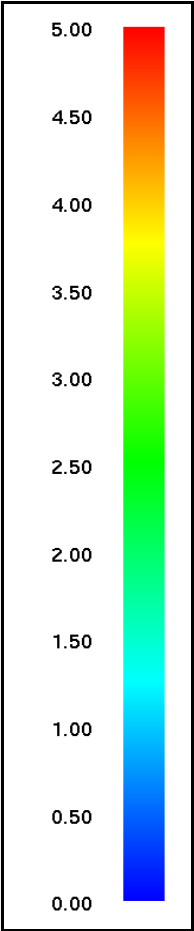


Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 180 s

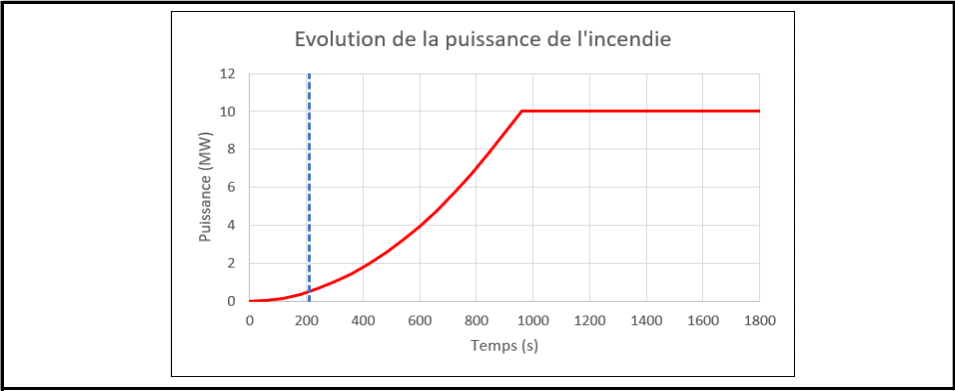
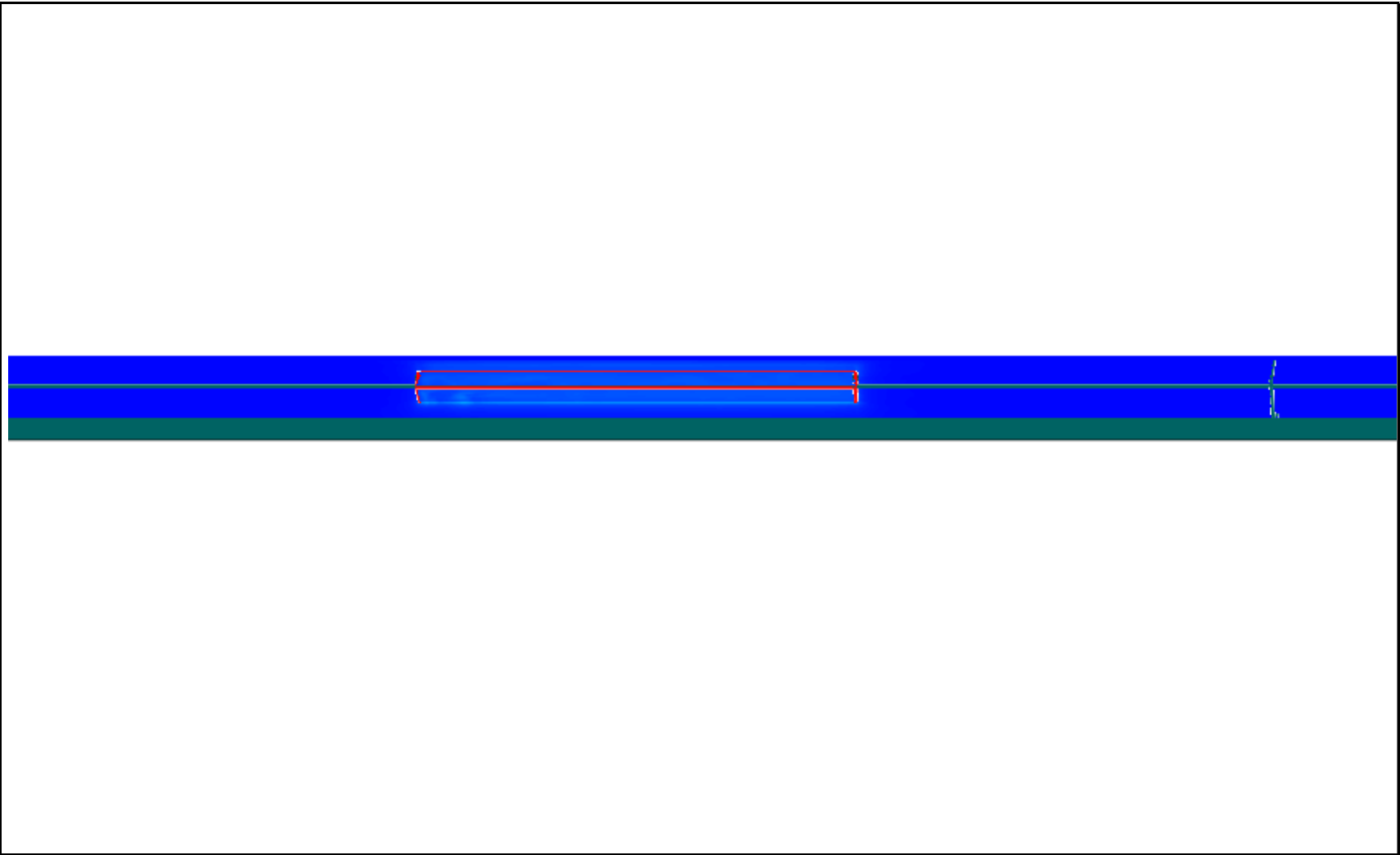


Rayonnement  
(KW/m²)

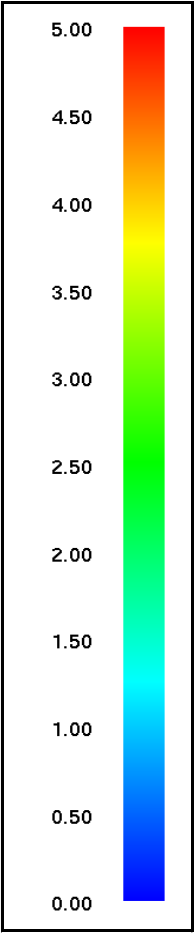


Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 210 s

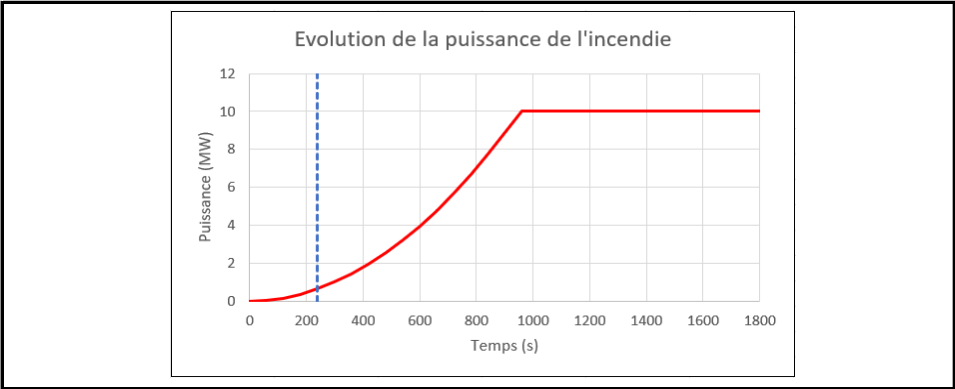
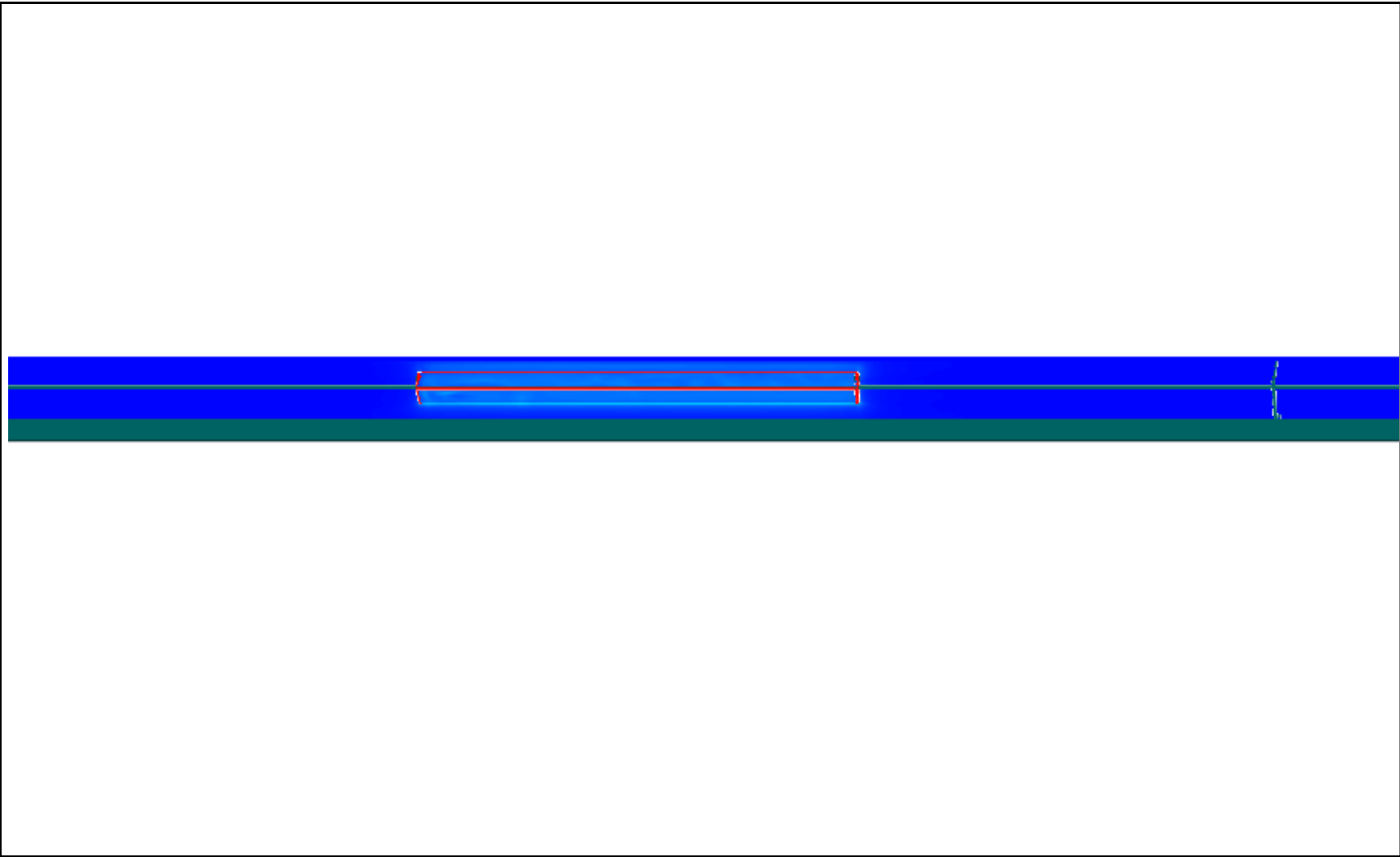


Rayonnement  
(KW/m²)

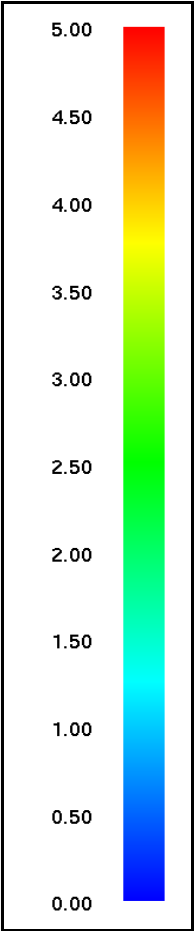


Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 240 s

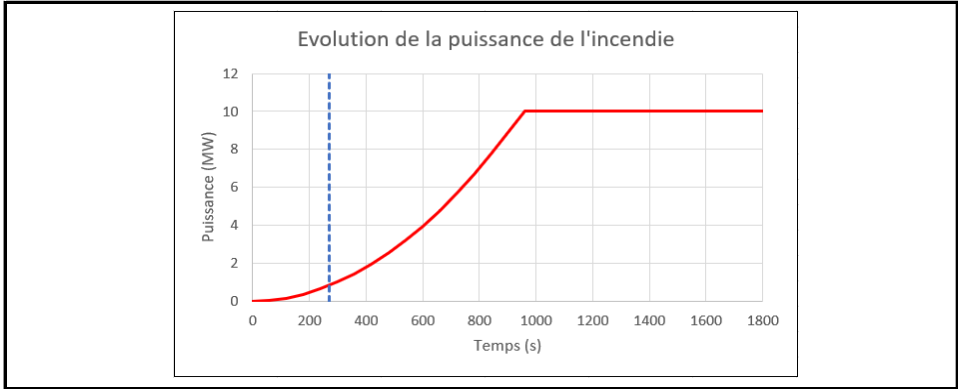
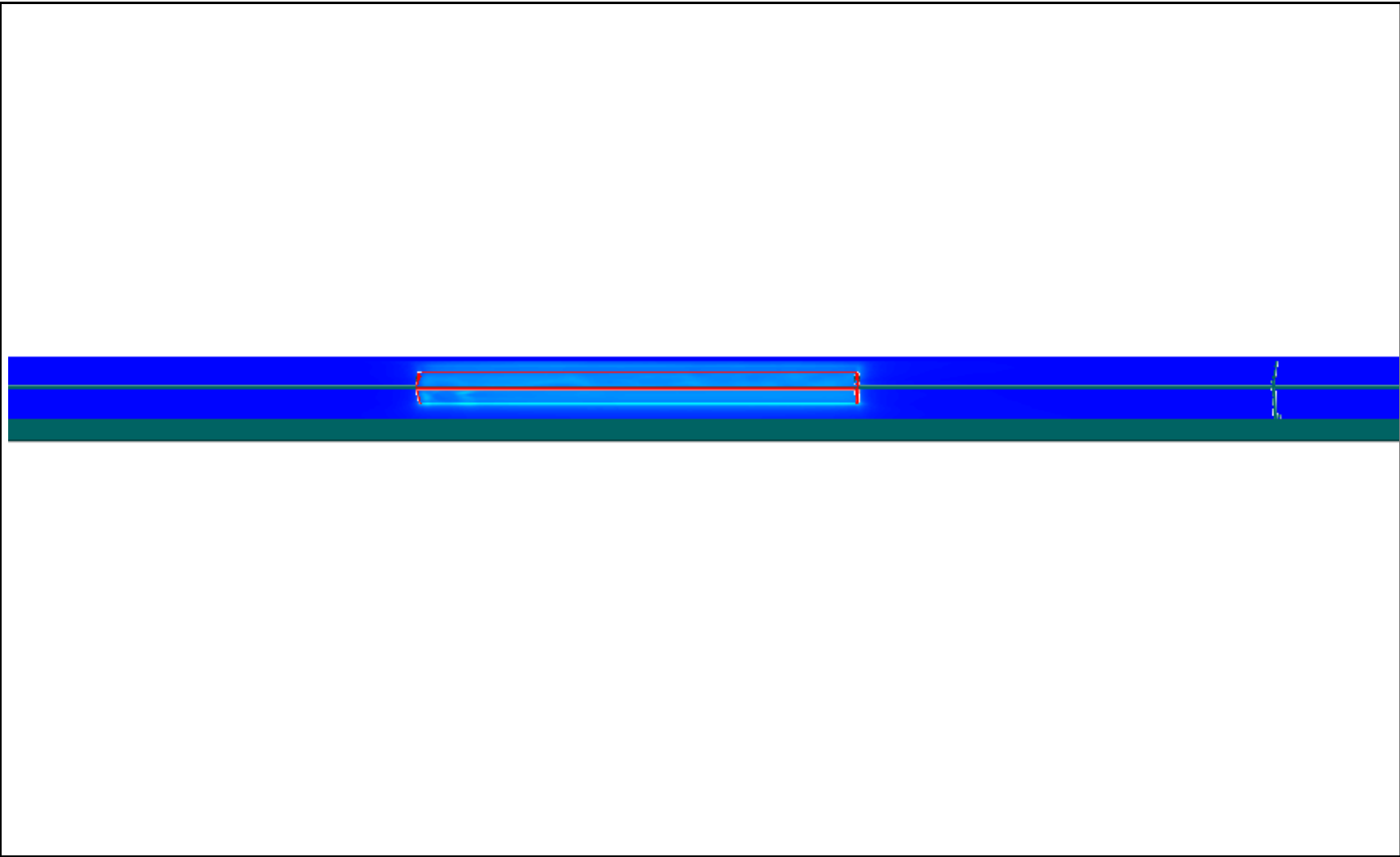


Rayonnement  
(KW/m²)

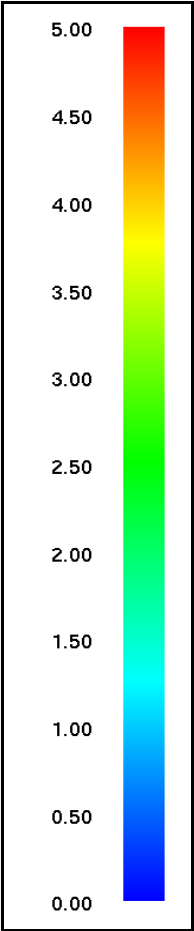


Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 270 s

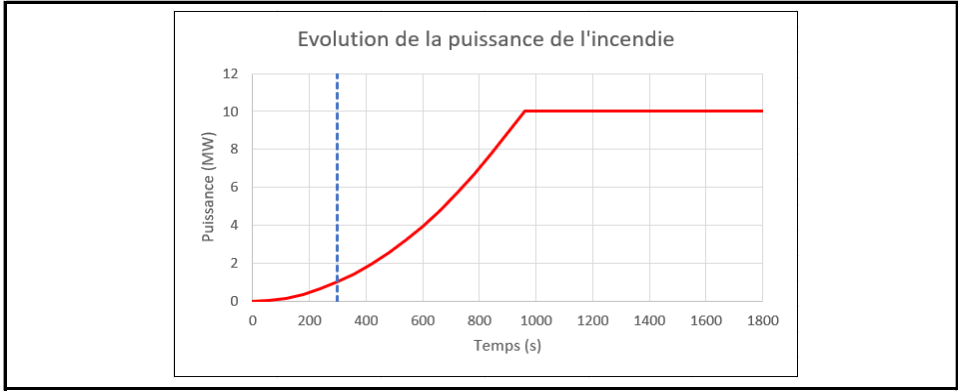
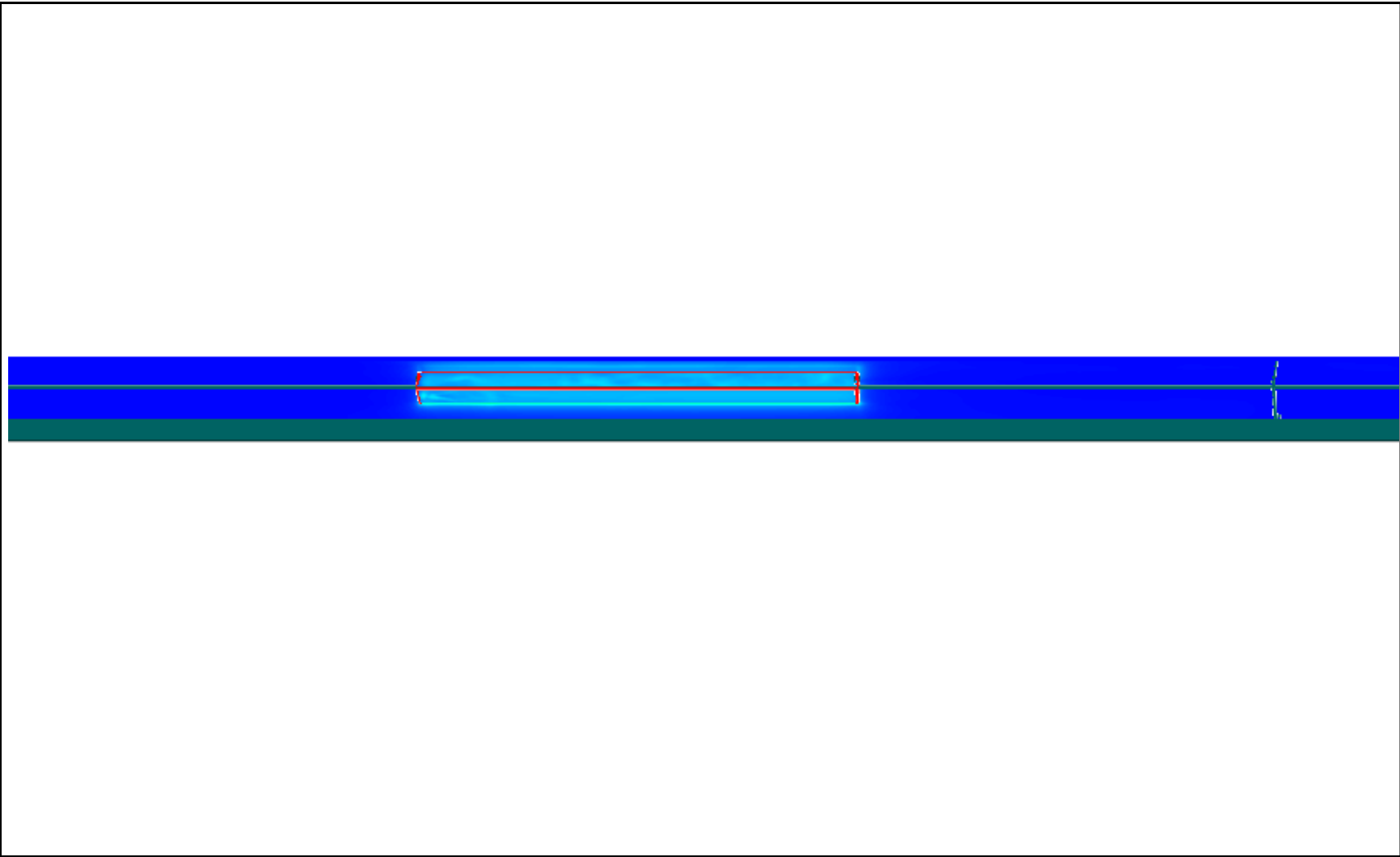


Rayonnement  
(KW/m²)

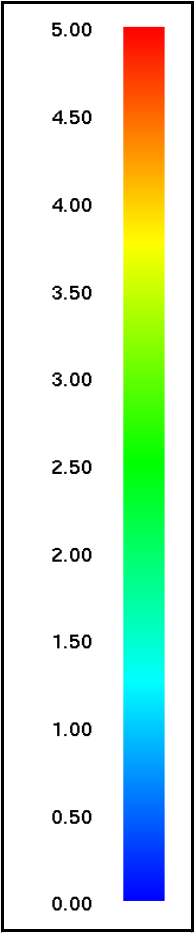


Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 300 s

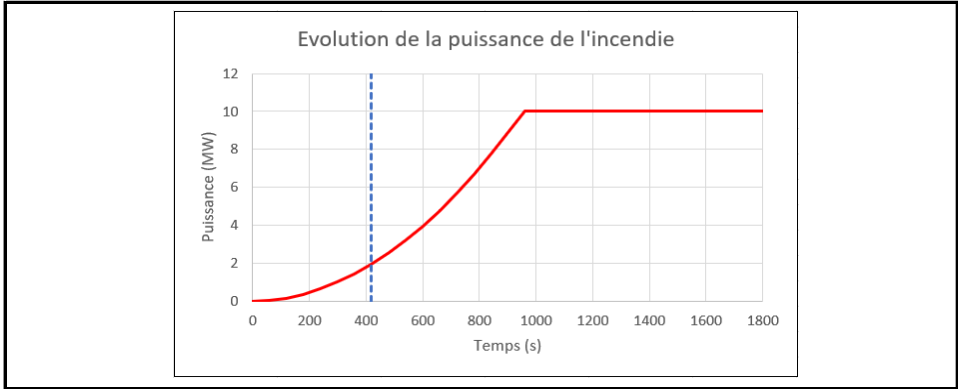
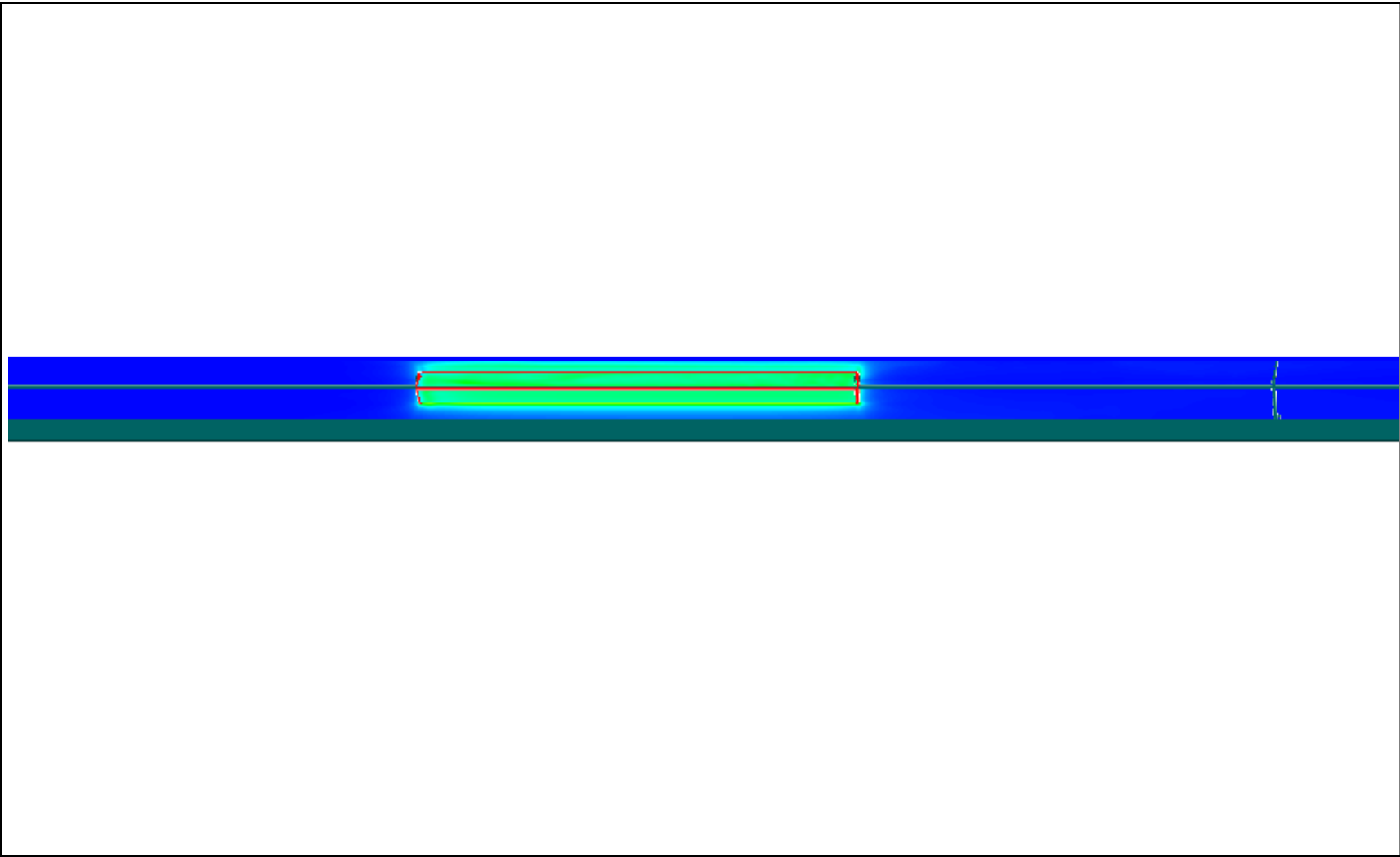


Rayonnement  
(KW/m²)

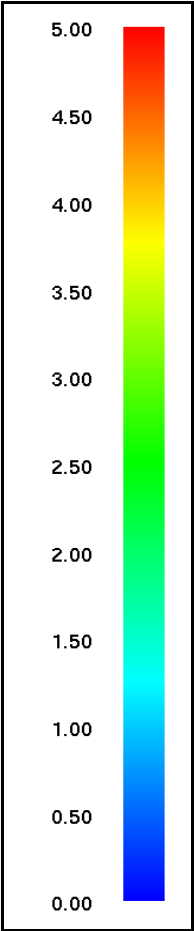


Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 420 s

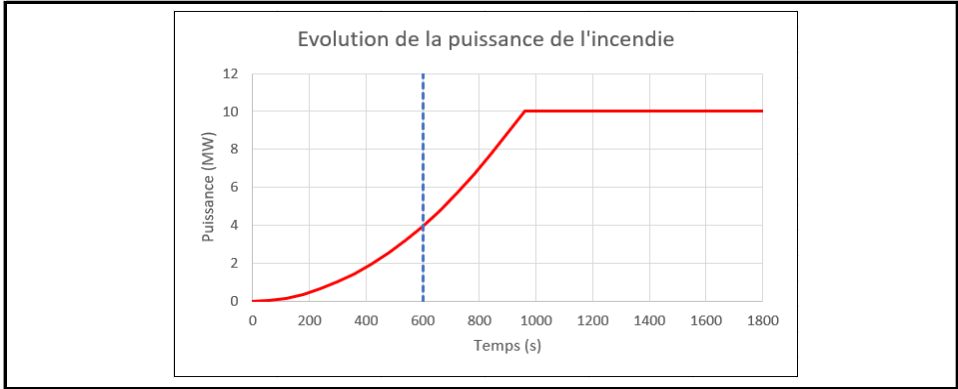
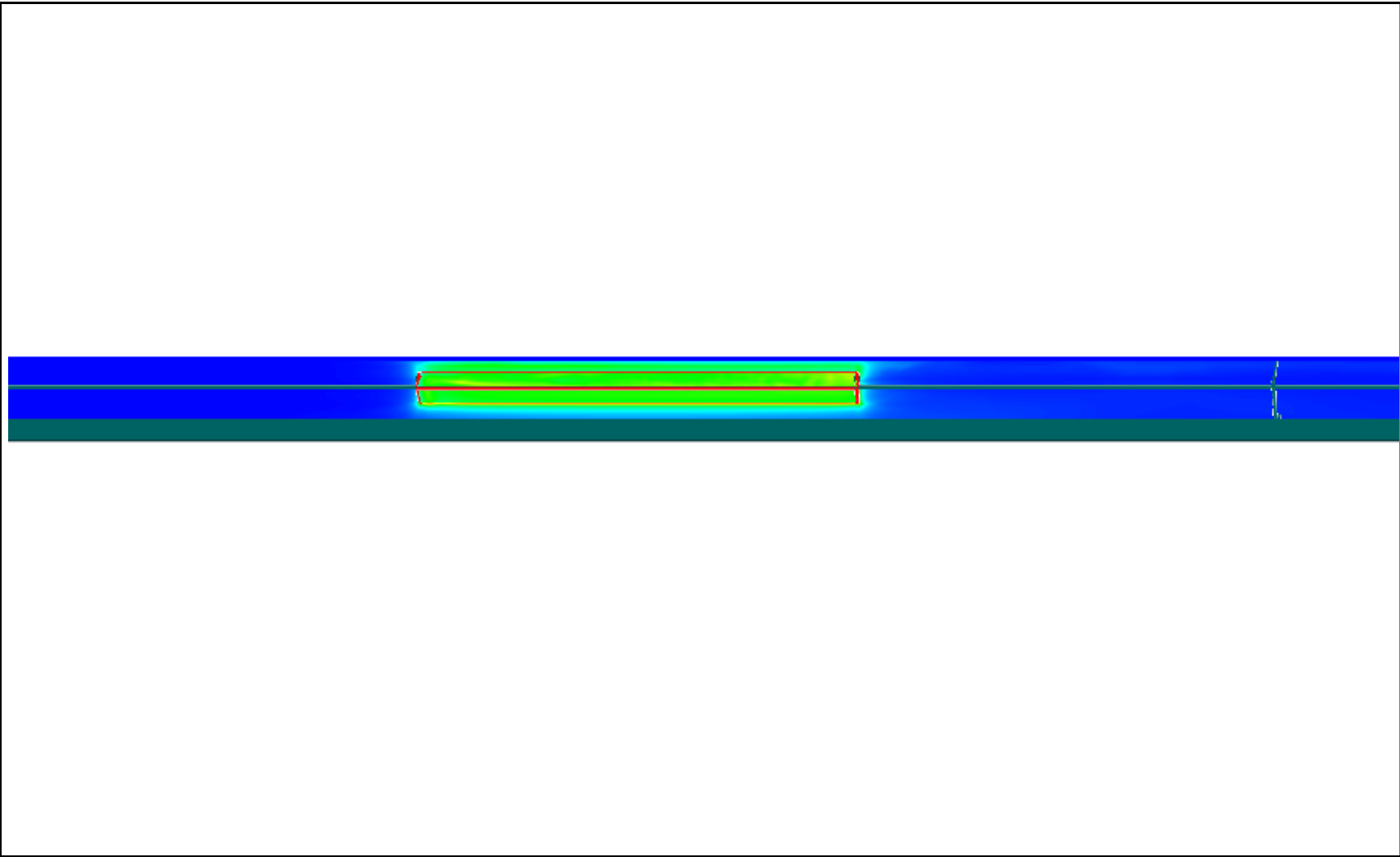


Rayonnement  
(KW/m²)

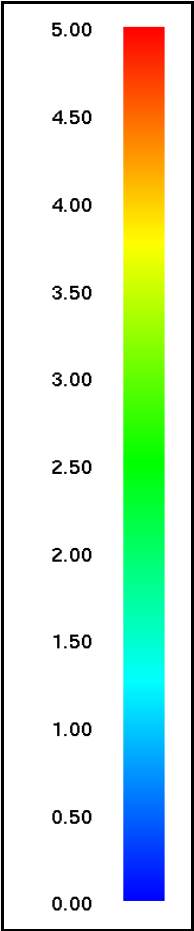


Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 600 s



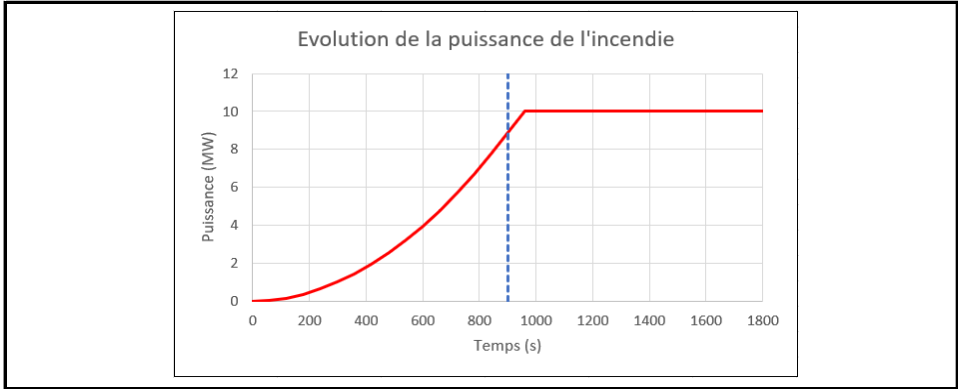
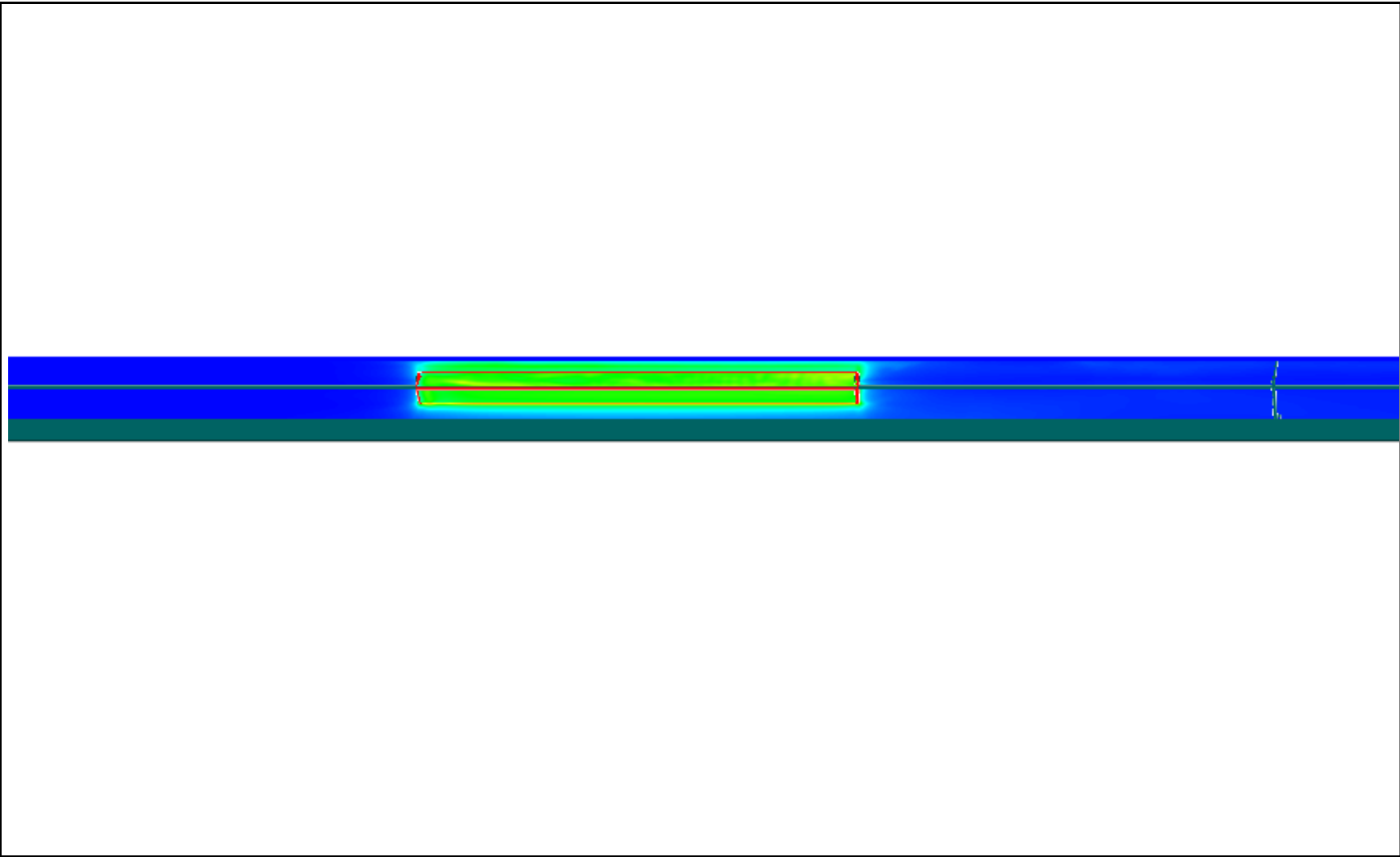
Rayonnement  
(KW/m²)



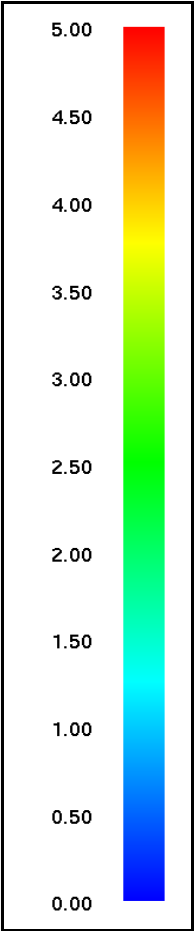
Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)



Scénario 5 : Incendie 10 MW - T = 900 s

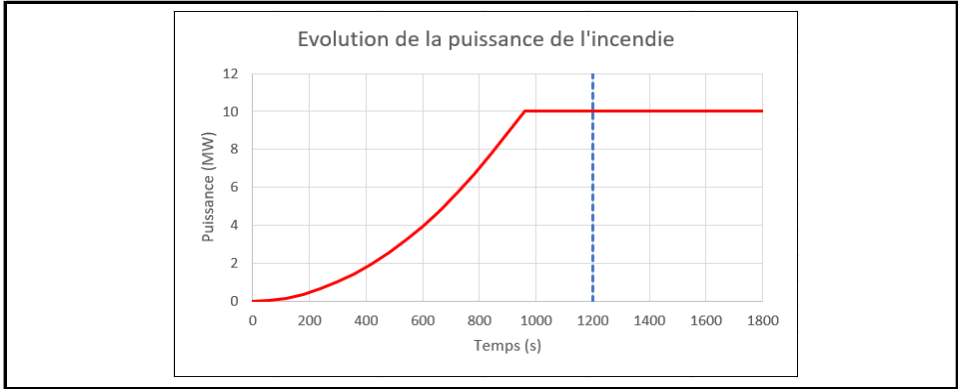
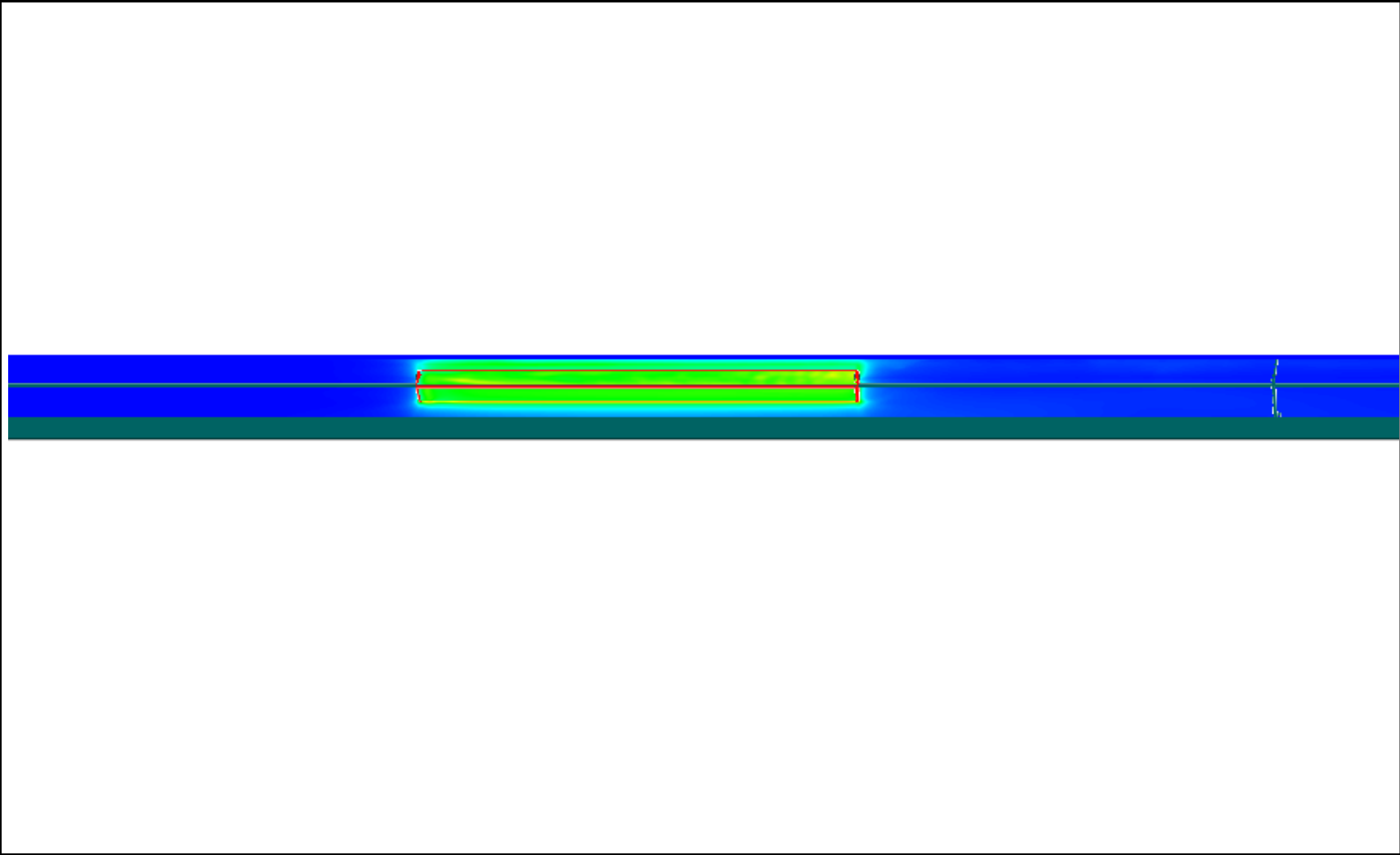


Rayonnement (KW/m²)

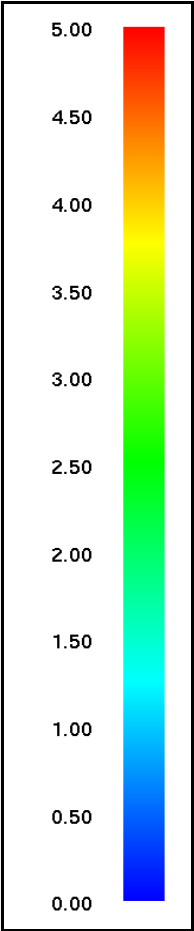


Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)

Scénario 5 : Incendie 10 MW - T = 1200 s



Rayonnement  
(KW/m²)



Scénario 5 :  
Incendie de 10 MW sur toute la rame (côté station CHL)