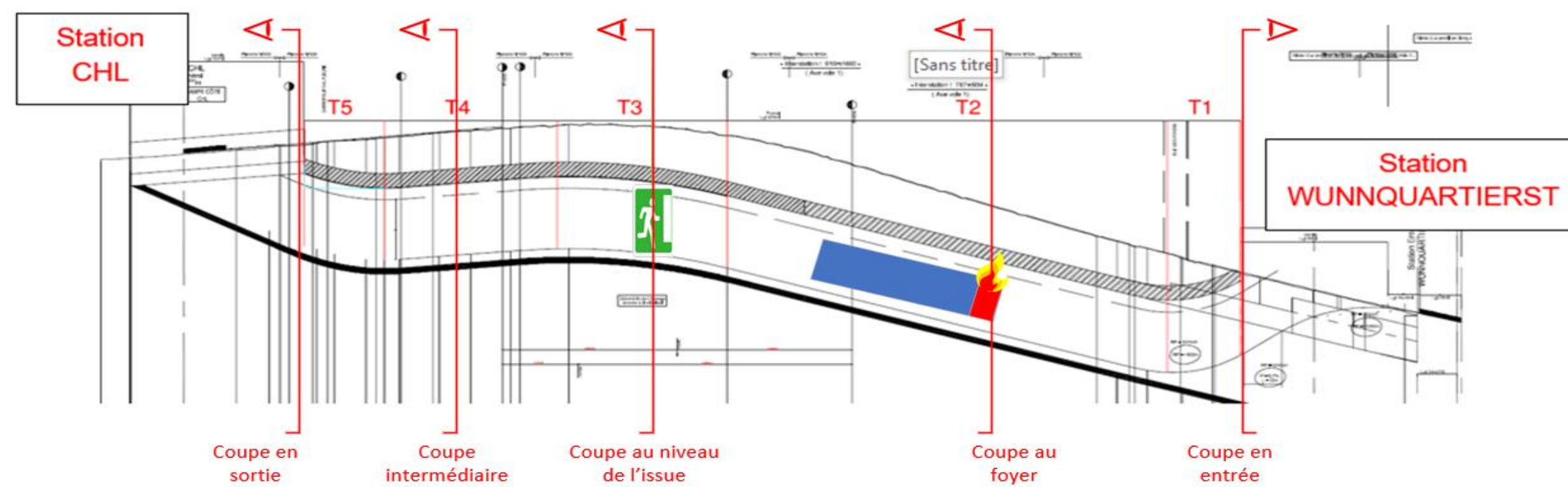


**Luxtram**  
**Etude Simulation Incendie**  
**Annexe 4 :**  
**Planches de Résultats du scénario 4**



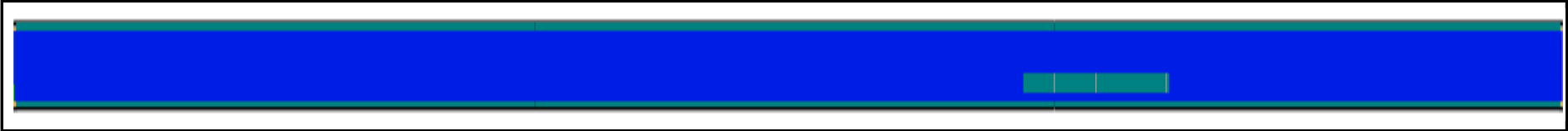
Localisation des différentes coupes dans l'ouvrage

# Concentration en monoxyde de carbone

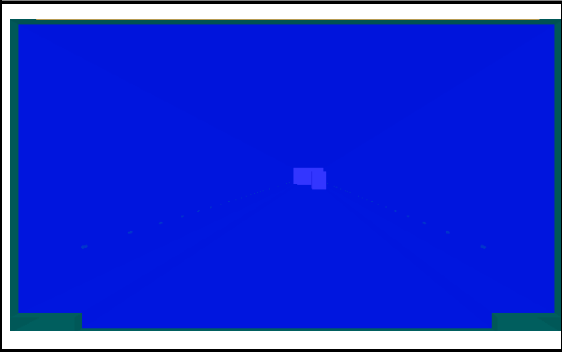
Scénario 4 : Incendie 1 MW - T = 0 s



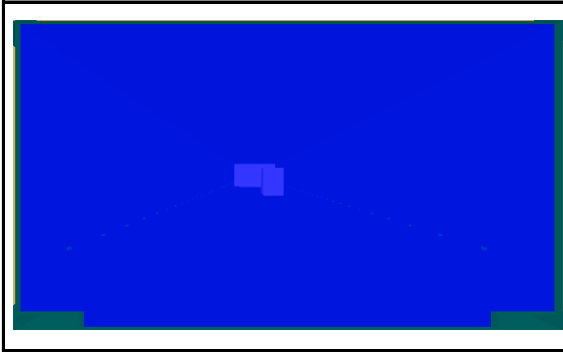
Coupe longitudinale



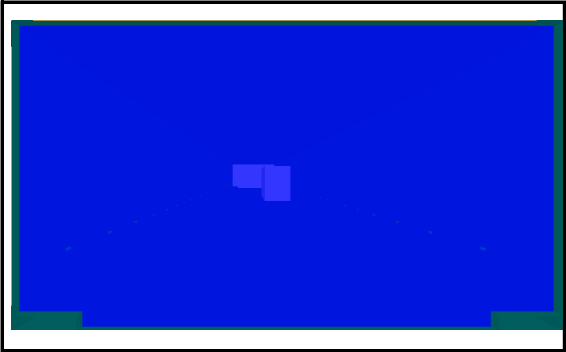
Vue à hauteur d'Homme (z=2m)



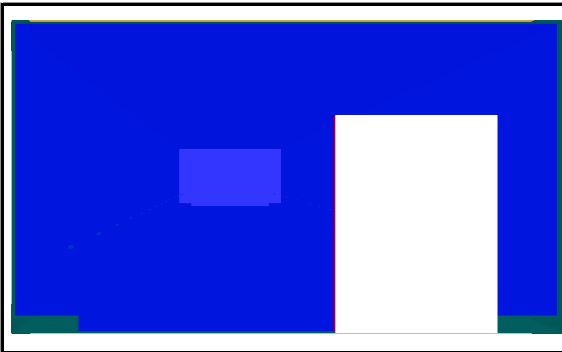
Coupe en entrée



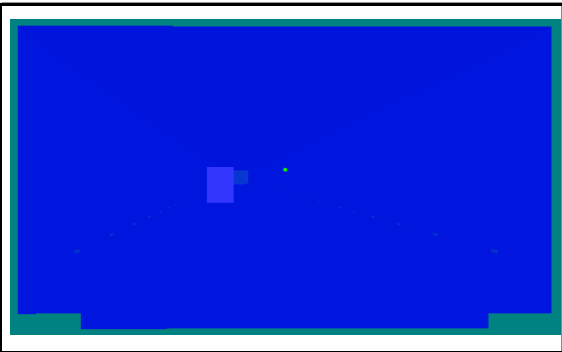
Coupe intermédiaire



Coupe au niveau de l'issue

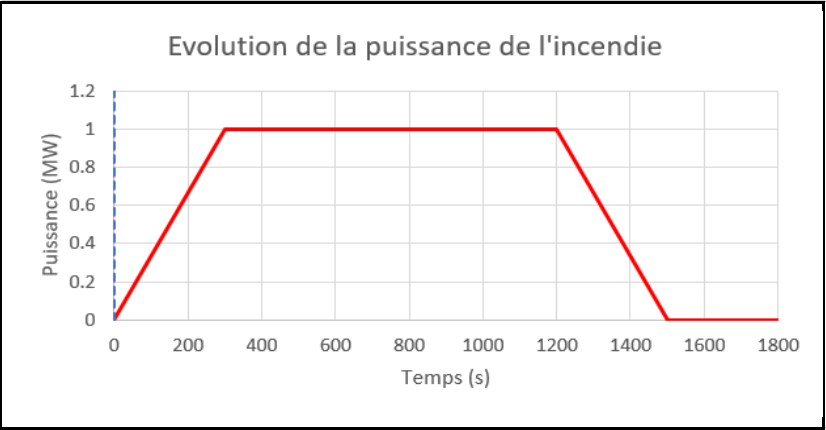
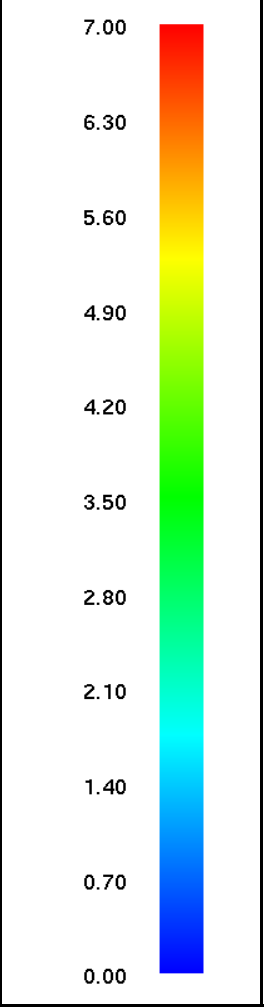


Coupe au droit du foyer



Coupe en sortie

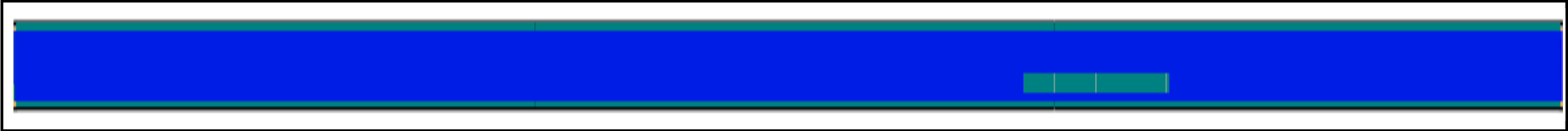
CO  
(10<sup>3</sup> ppm)



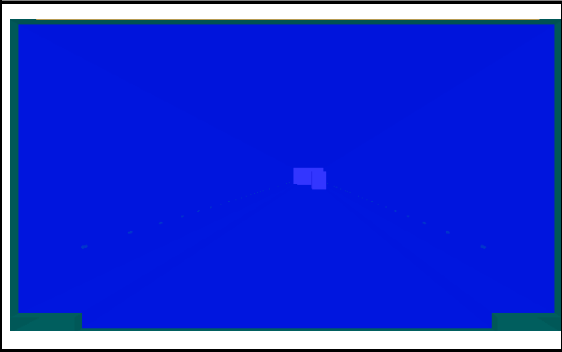
Scénario 4 : Incendie 1 MW - T = 30 s



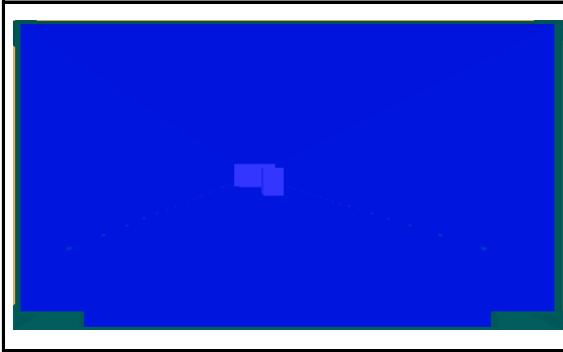
Coupe longitudinale



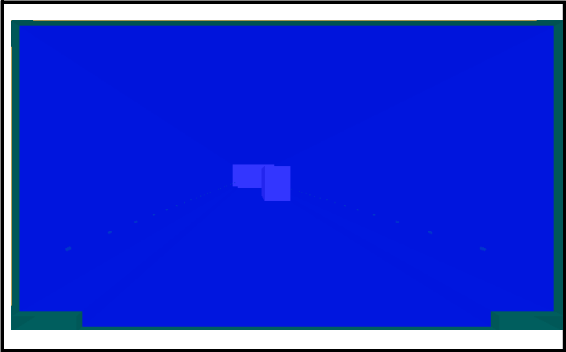
Vue à hauteur d'Homme (z=2m)



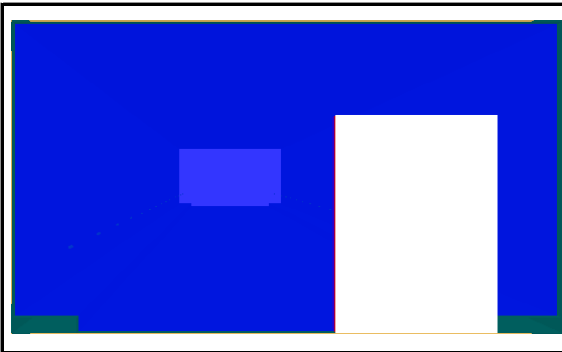
Coupe en entrée



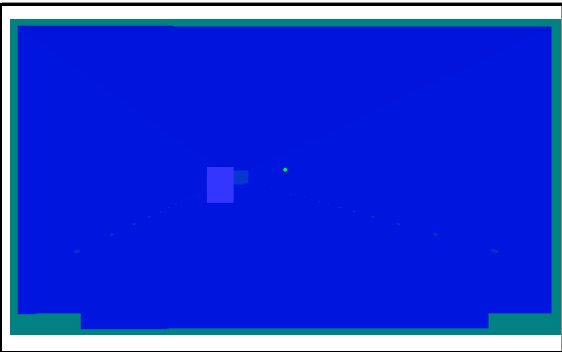
Coupe intermédiaire



Coupe au niveau de l'issue

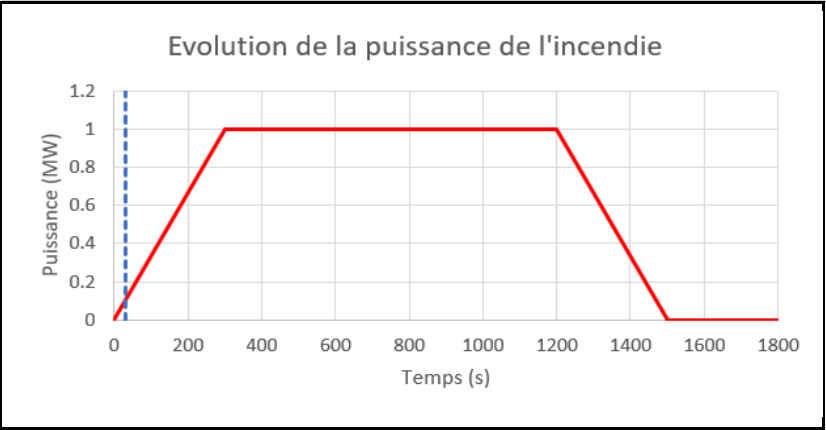
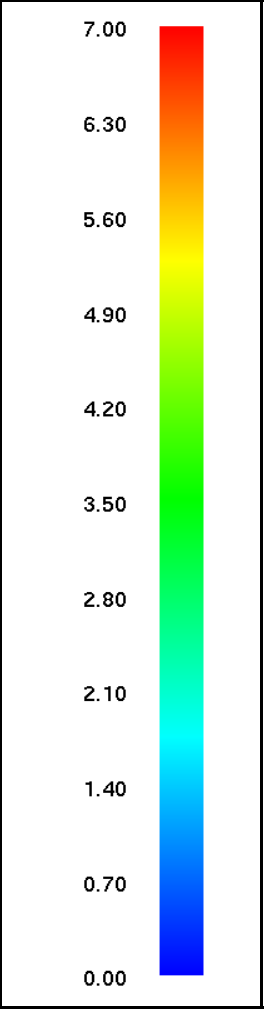


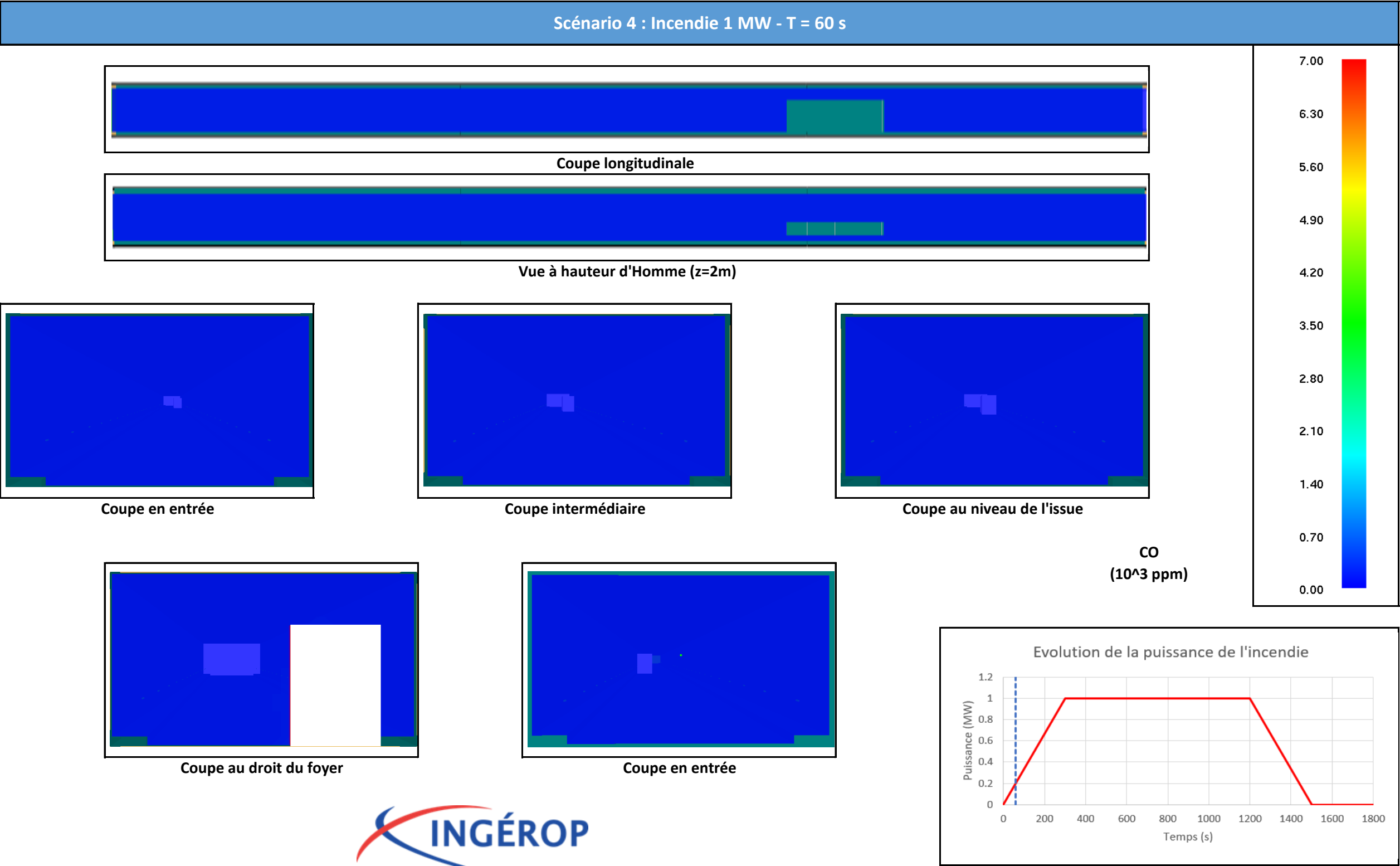
Coupe au droit du foyer

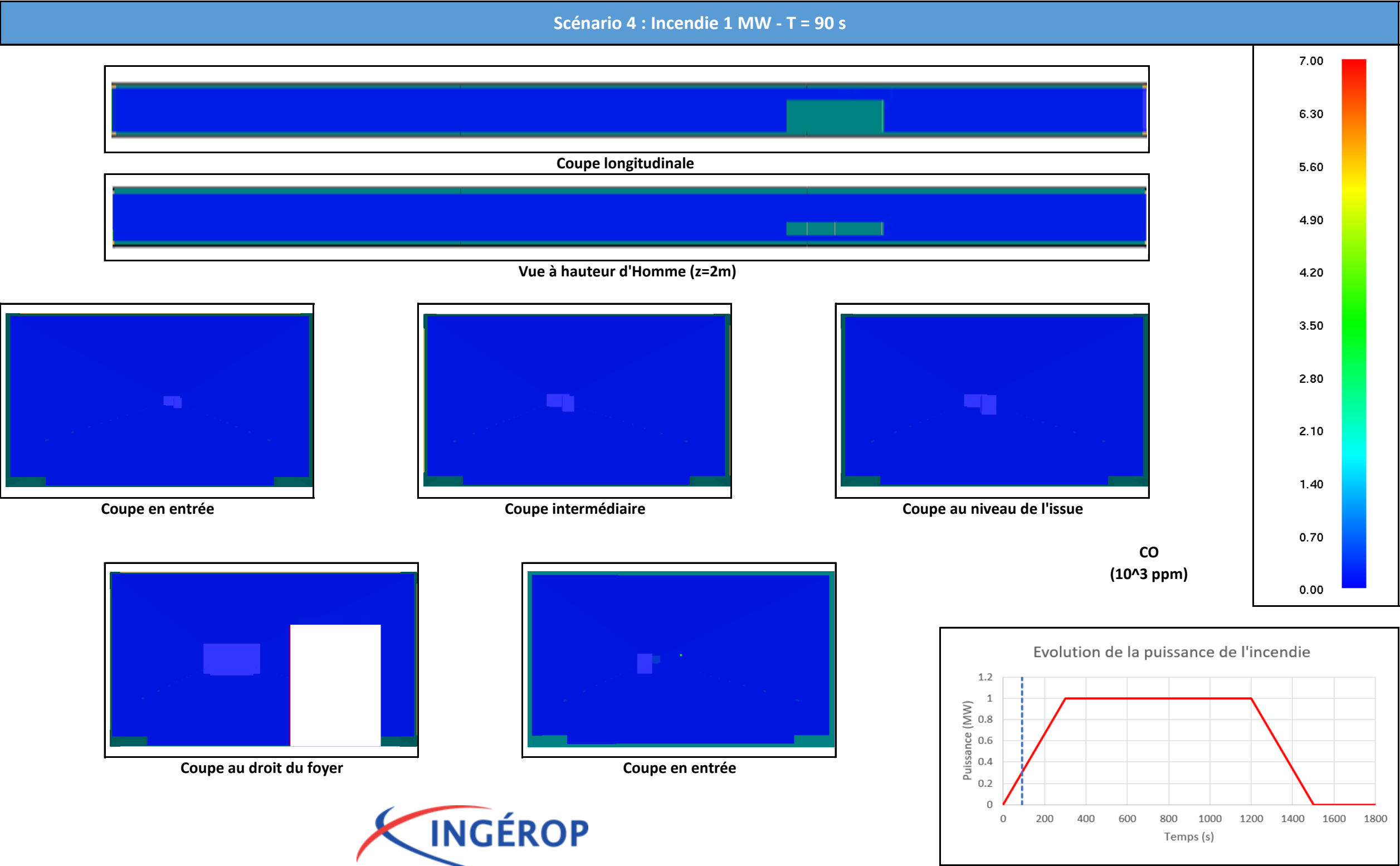


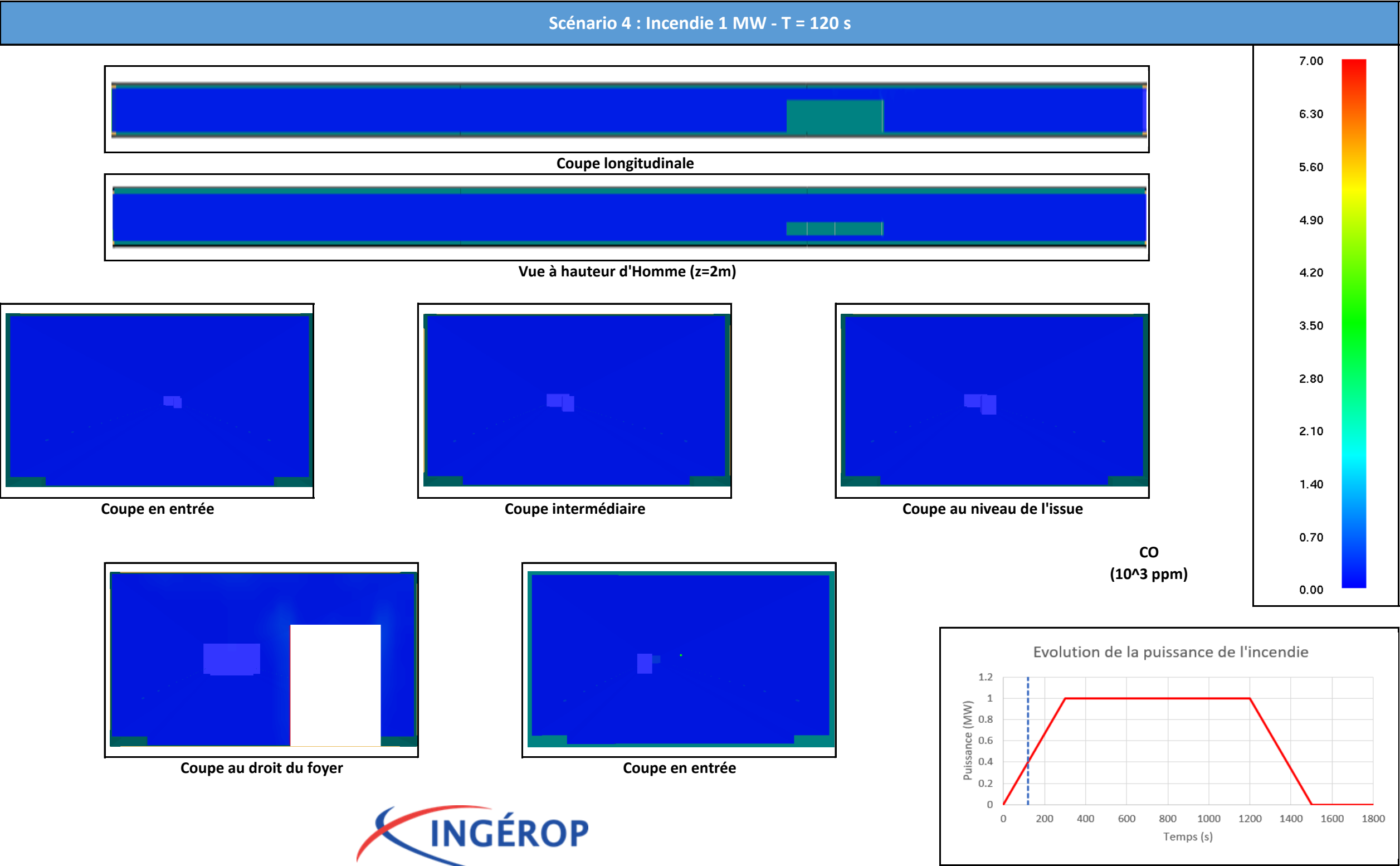
Coupe en entrée

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

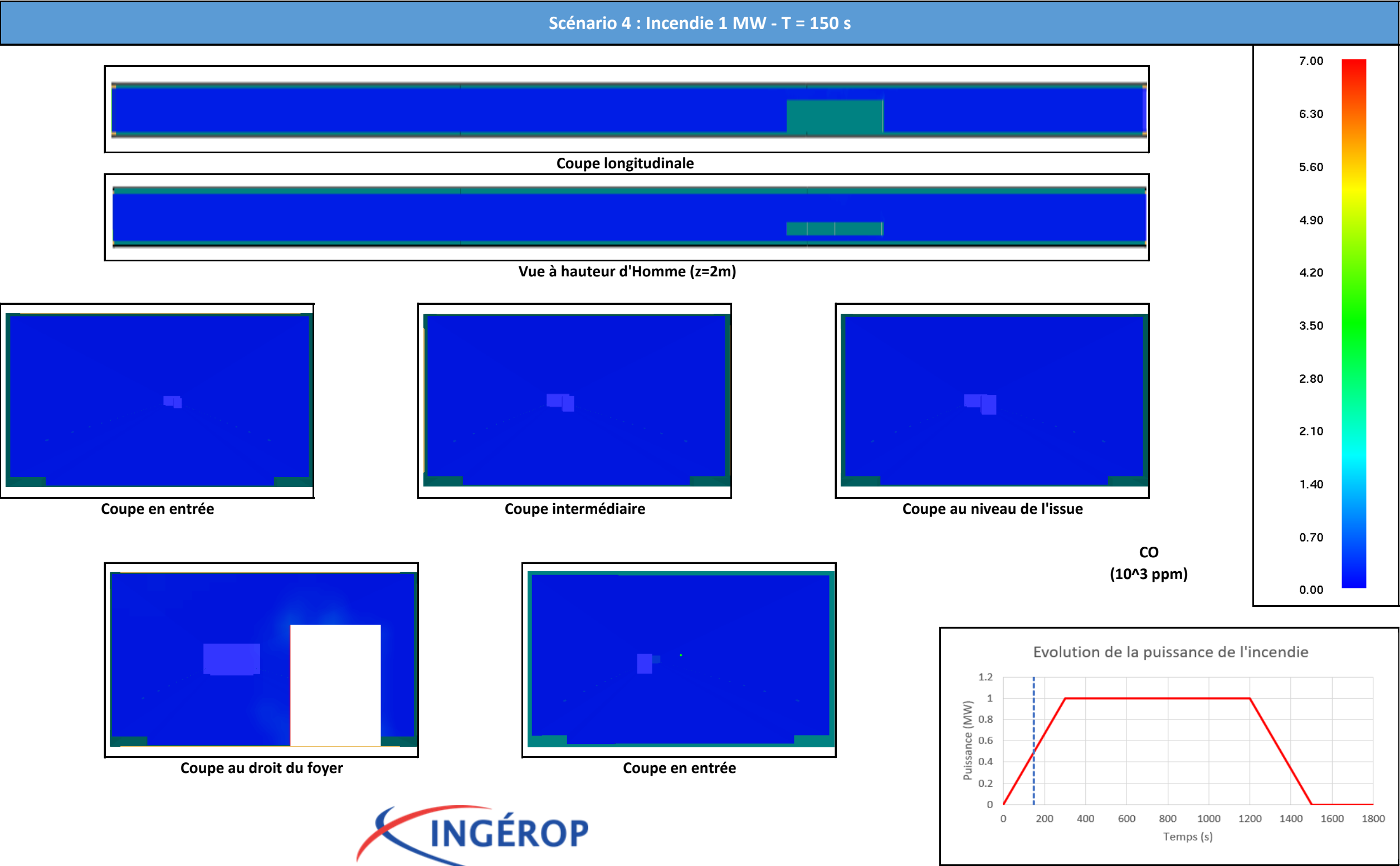


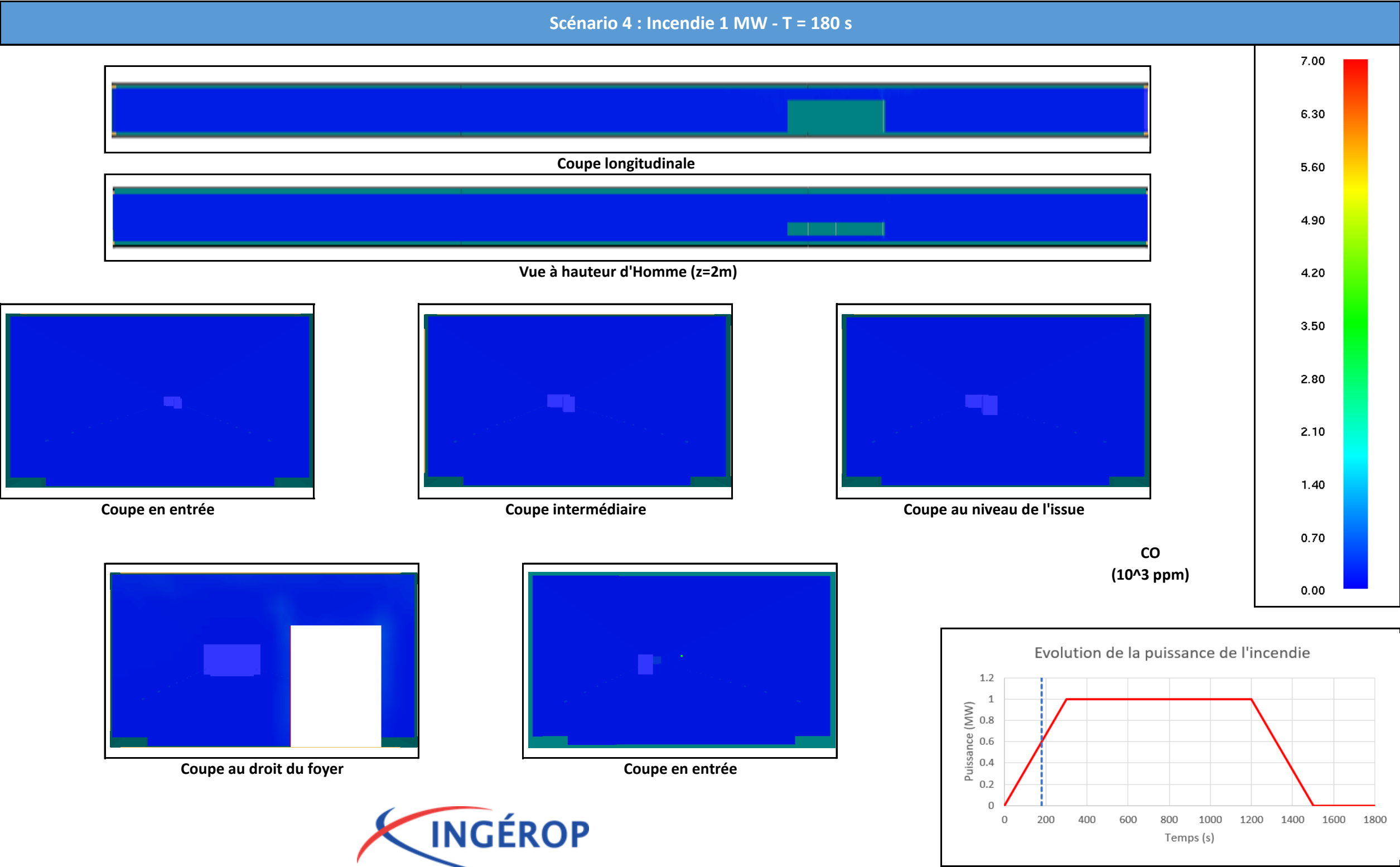


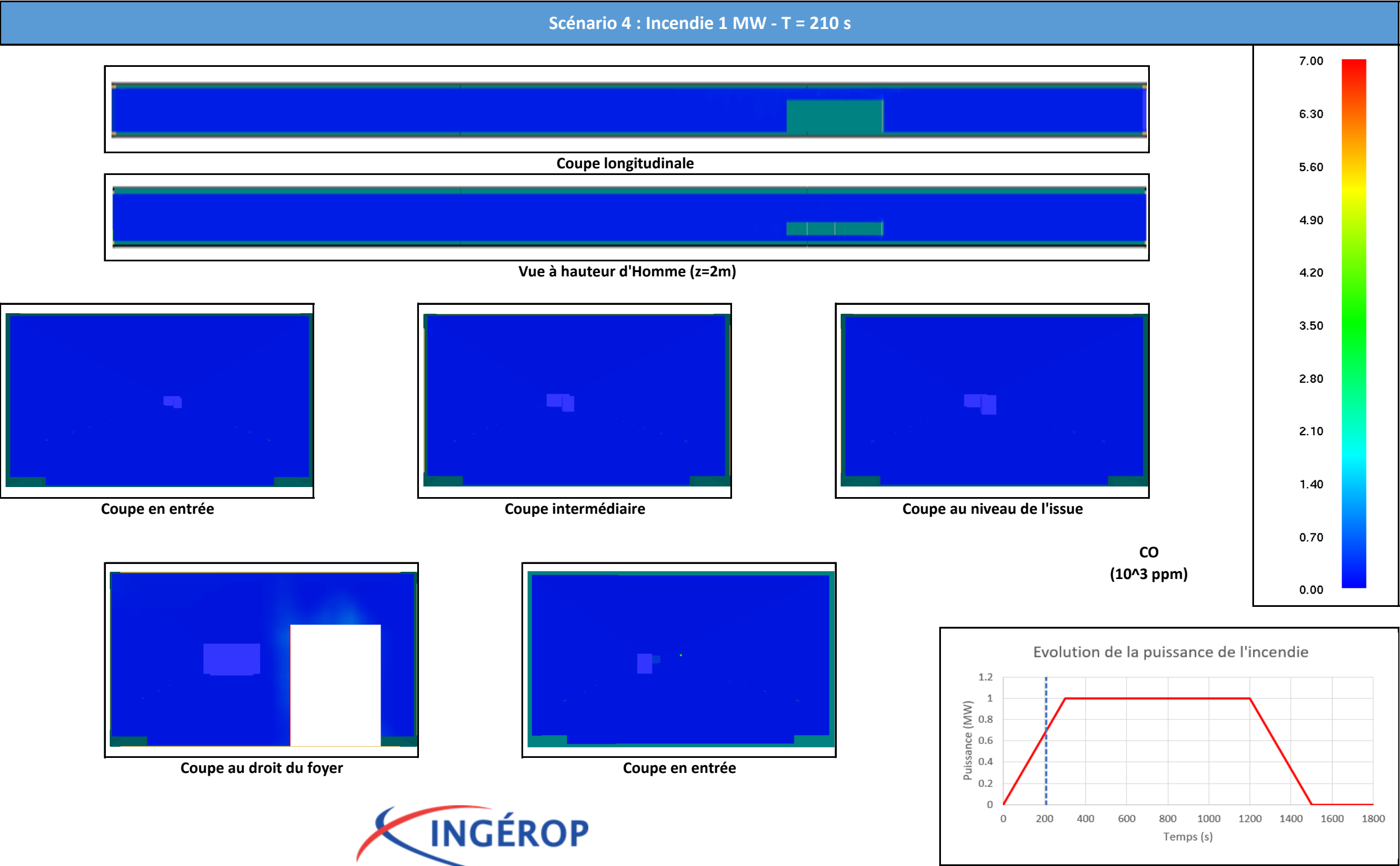


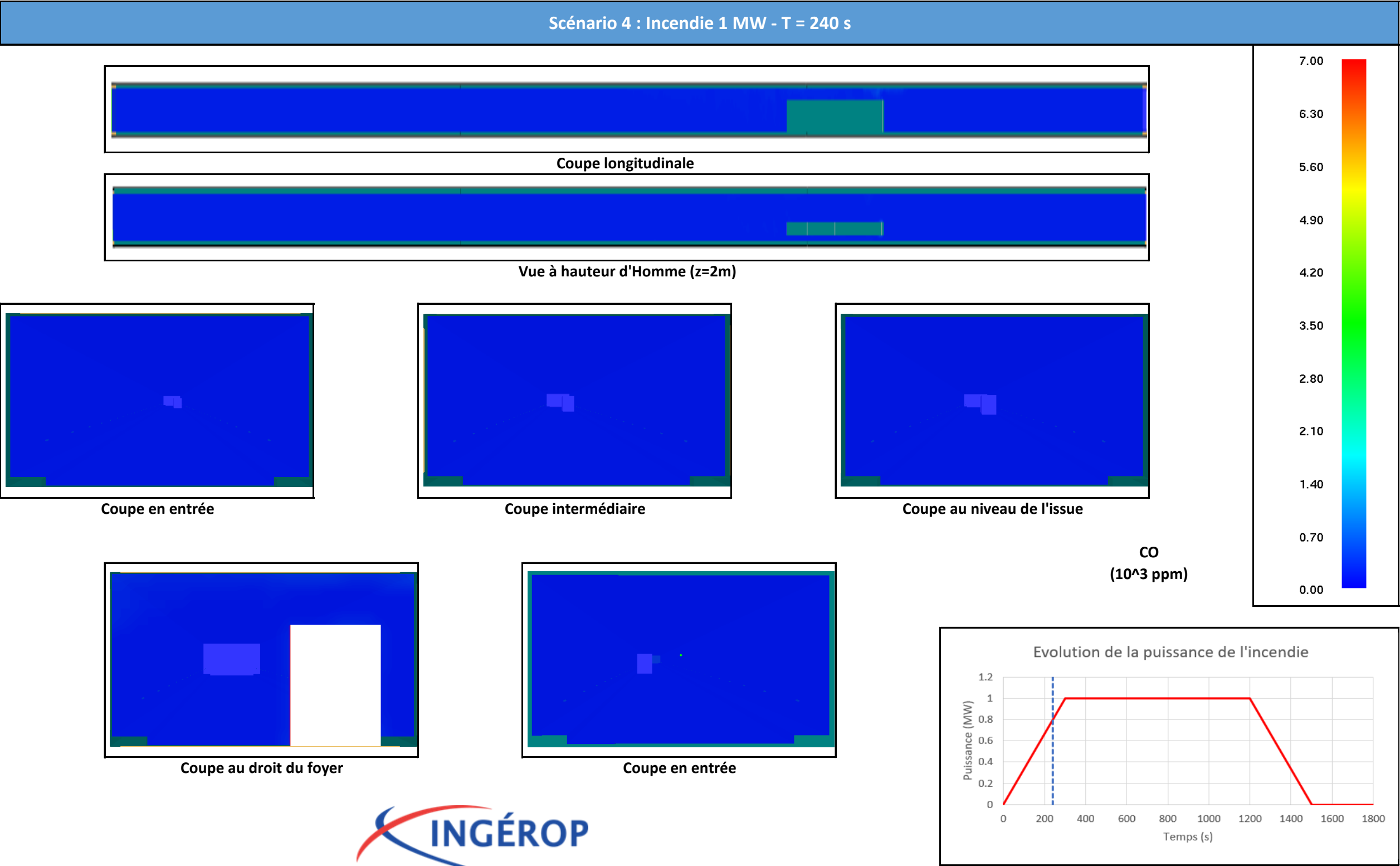


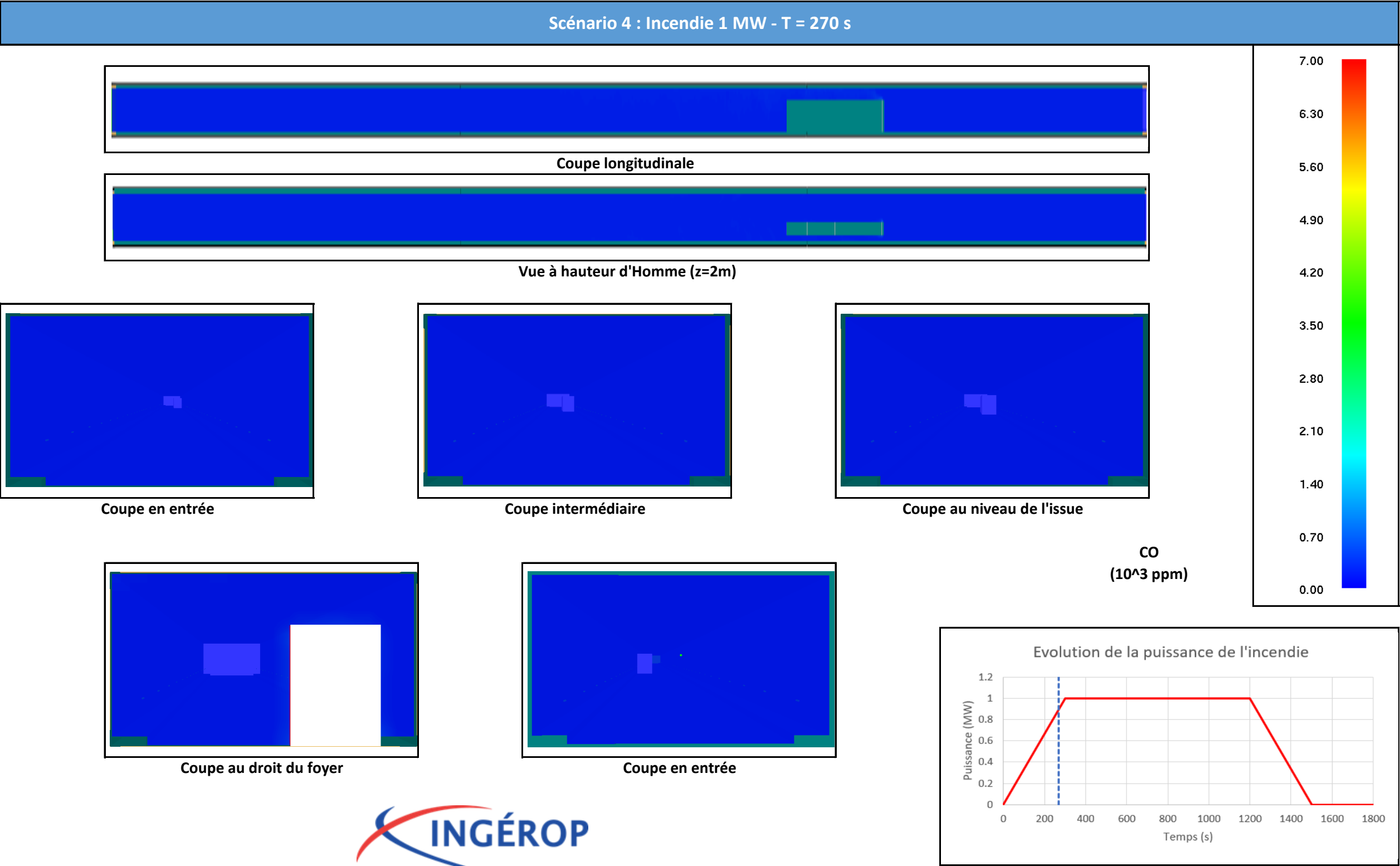


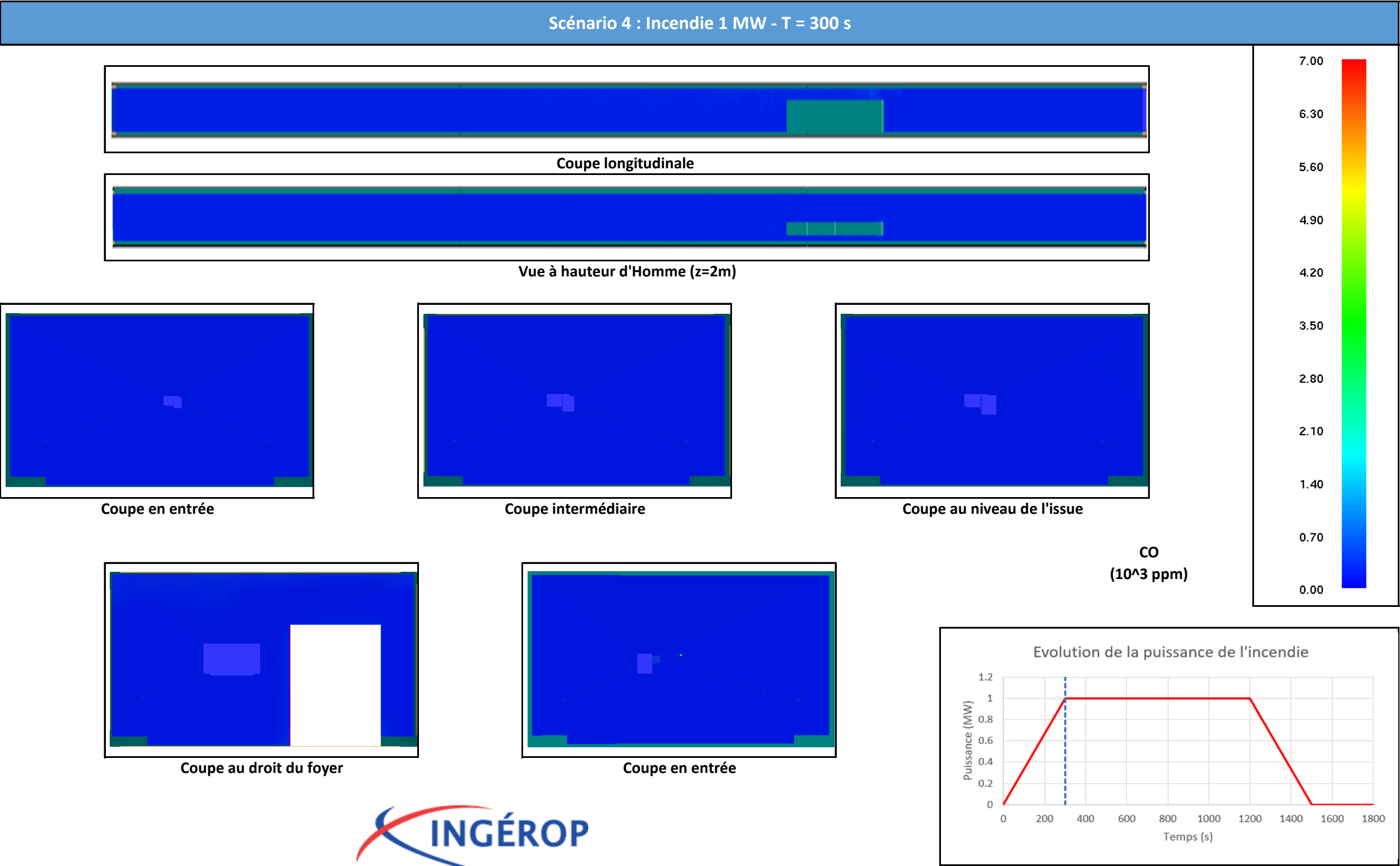


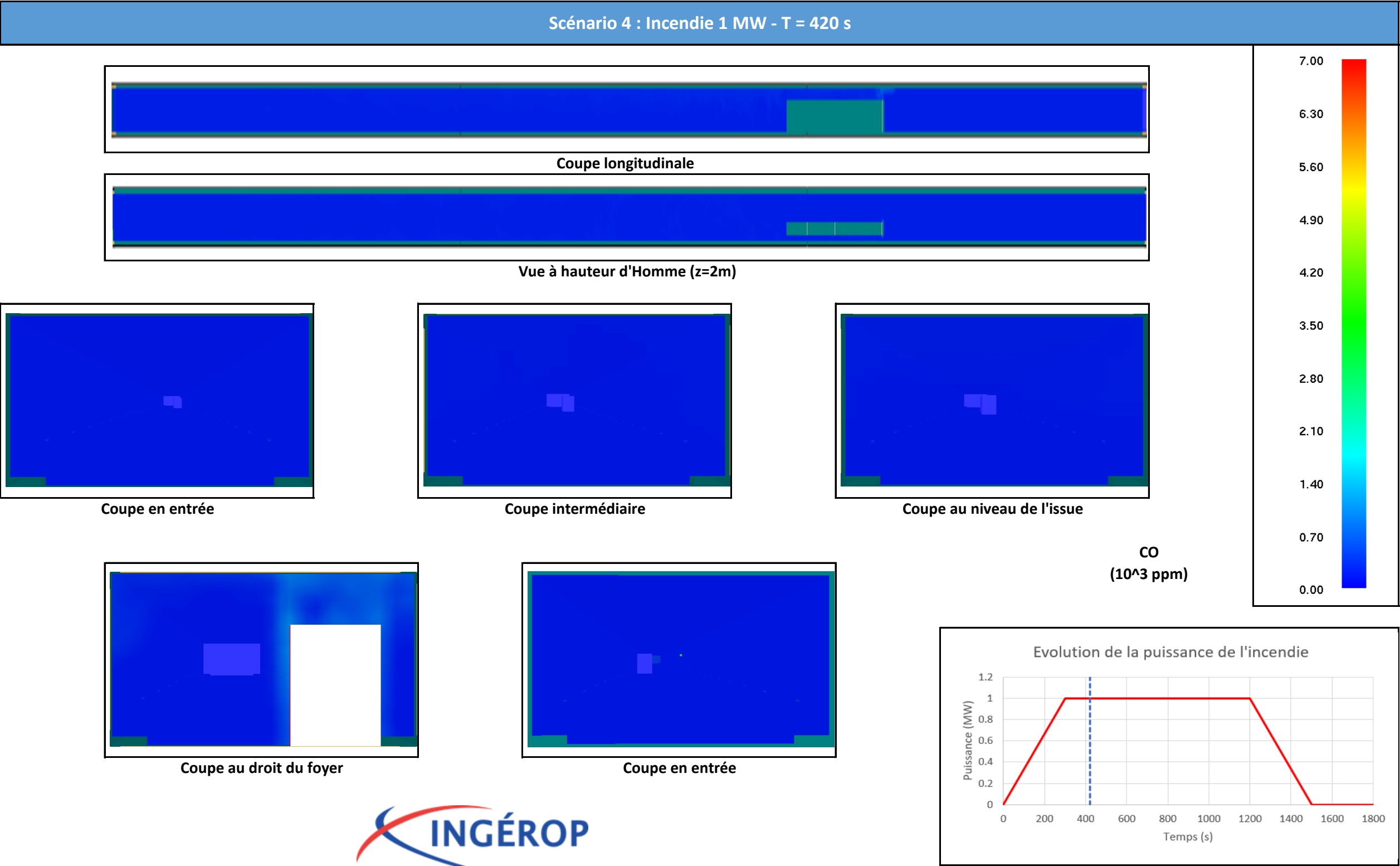


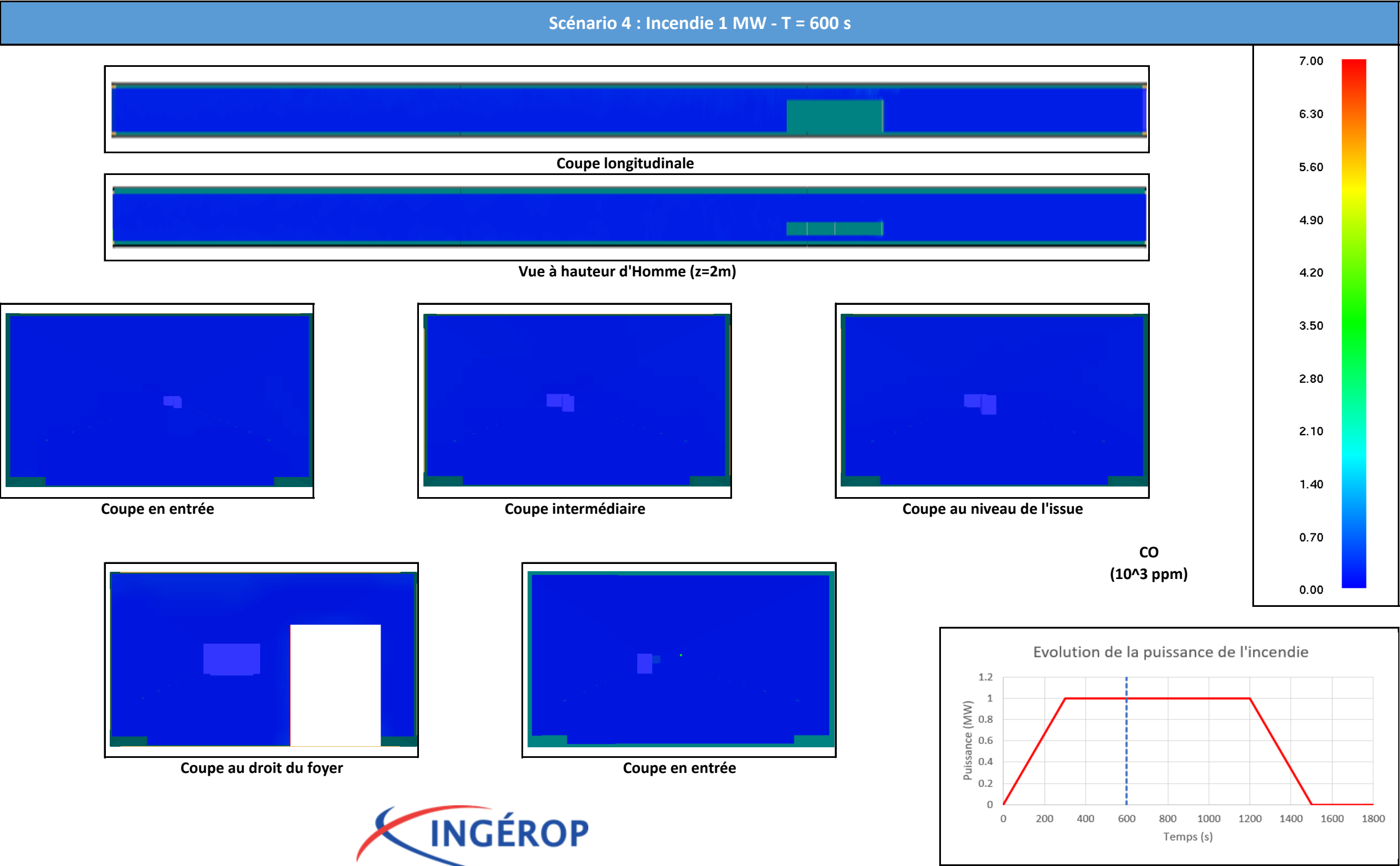




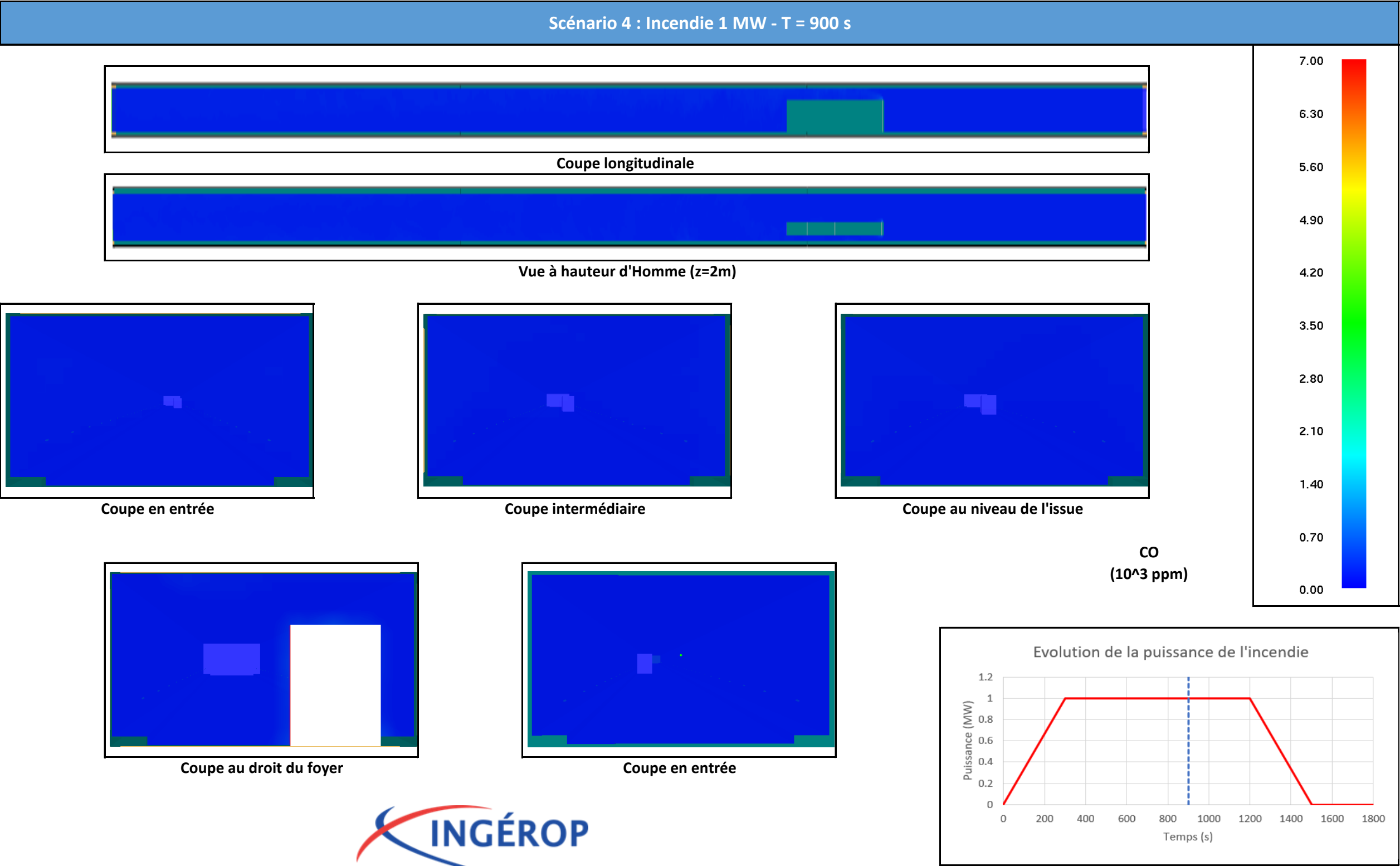


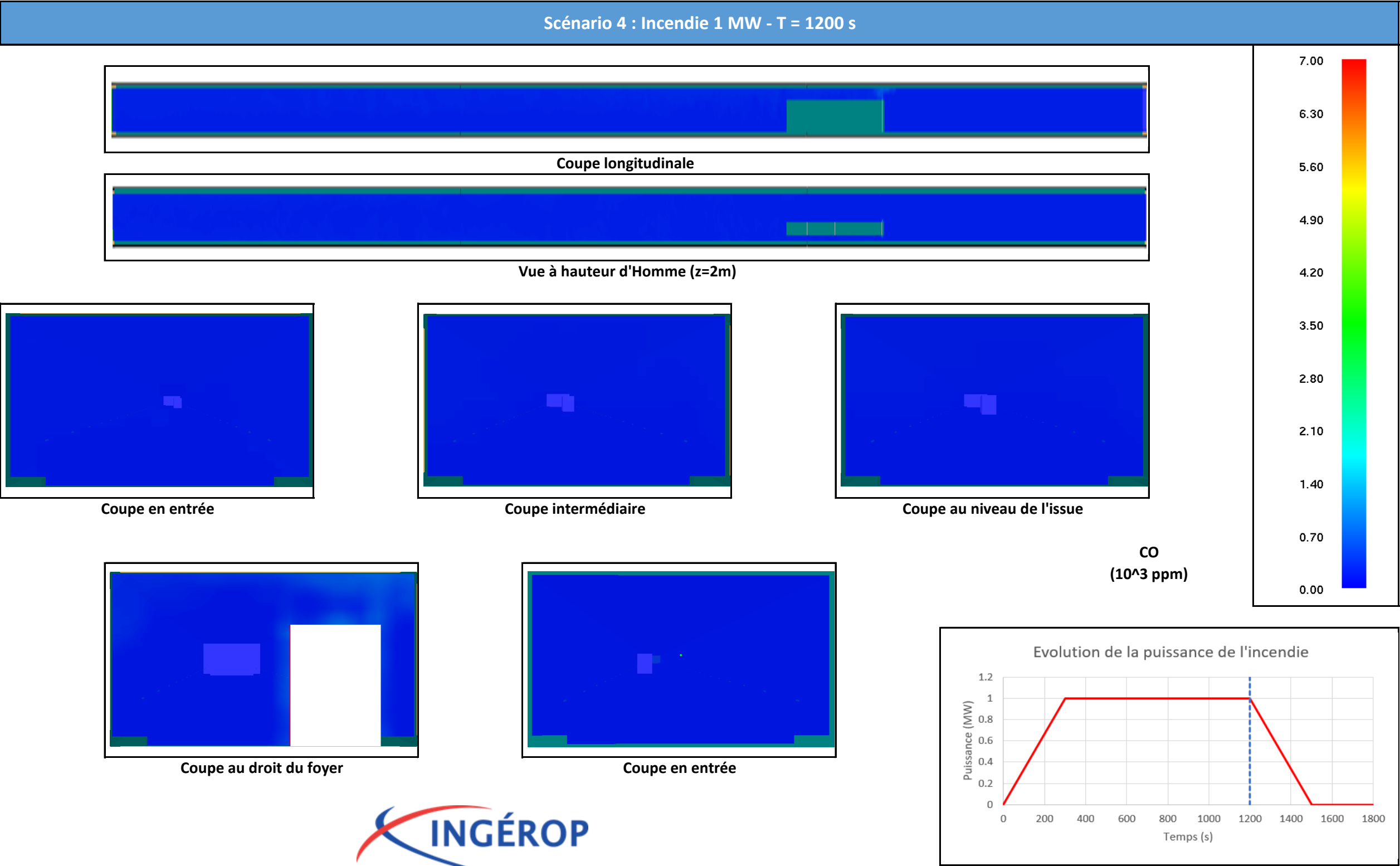










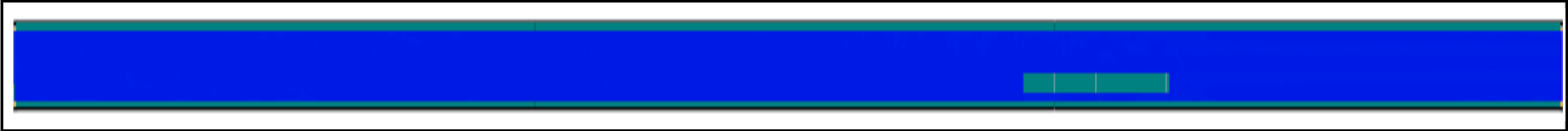


# Température

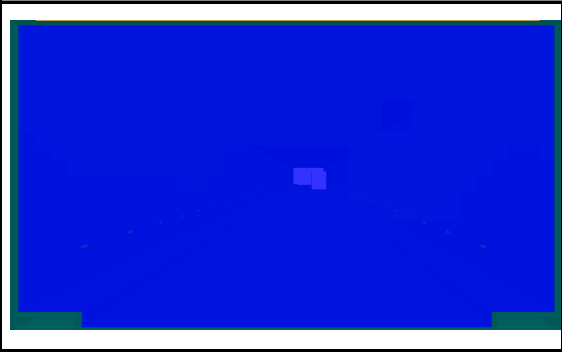
Scénario 4 : Incendie 1 MW - T = 0 s



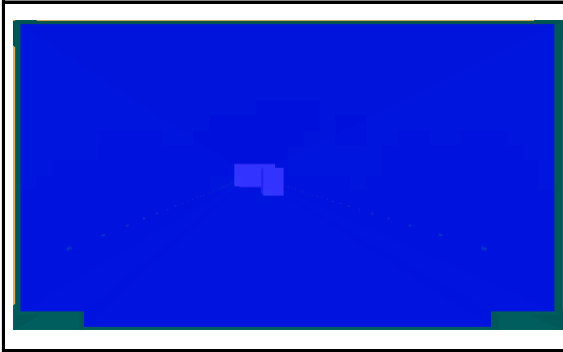
Coupe longitudinale



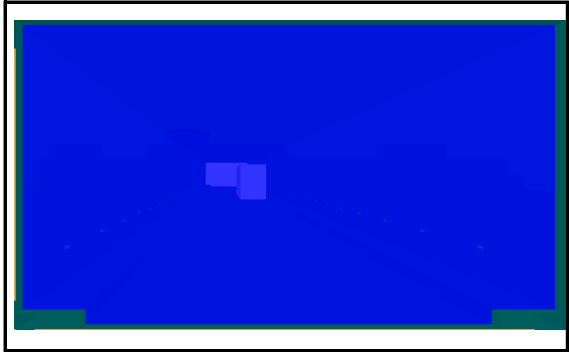
Vue à hauteur d'Homme (z=2m)



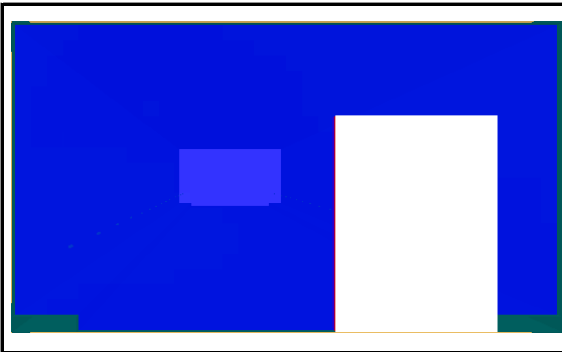
Coupe en entrée



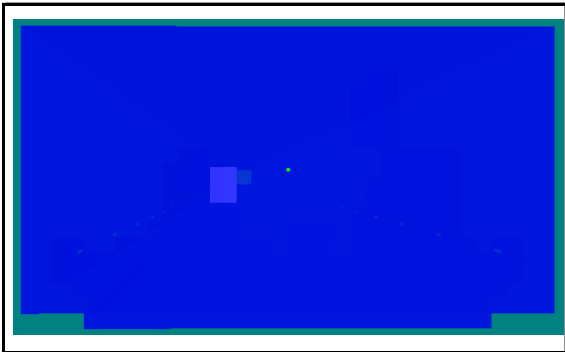
Coupe intermédiaire



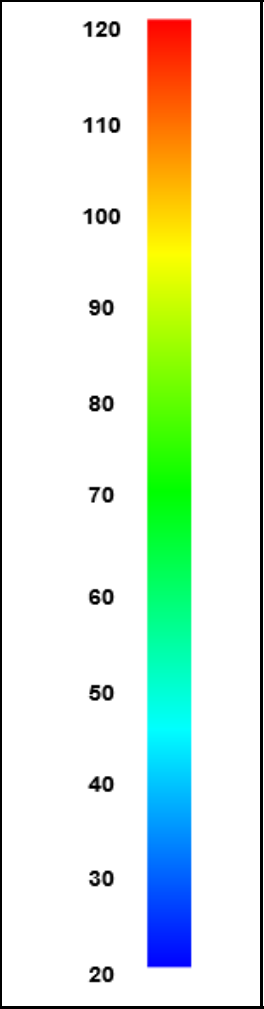
Coupe au niveau de l'issue



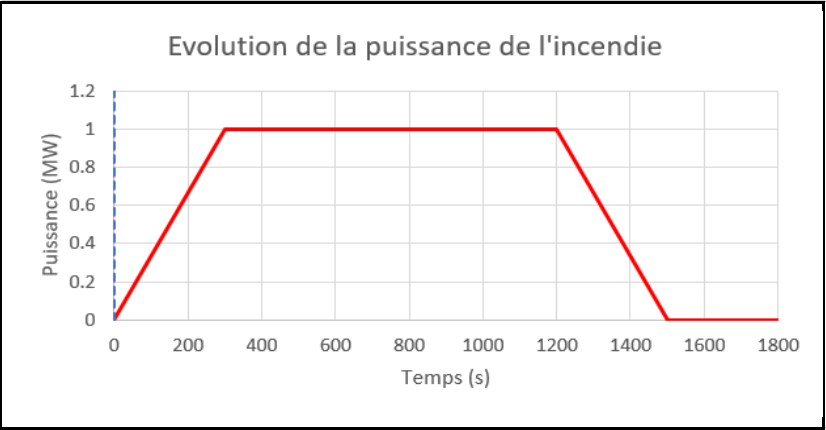
Coupe au droit du foyer



Coupe en entrée



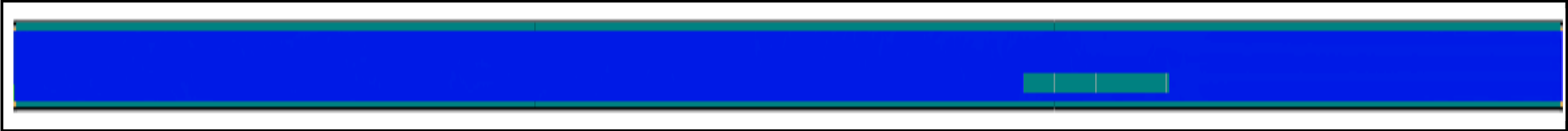
Température  
(°C)



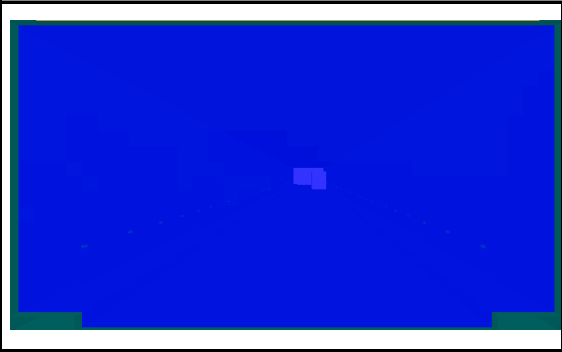
Scénario 4 : Incendie 1 MW - T = 30 s



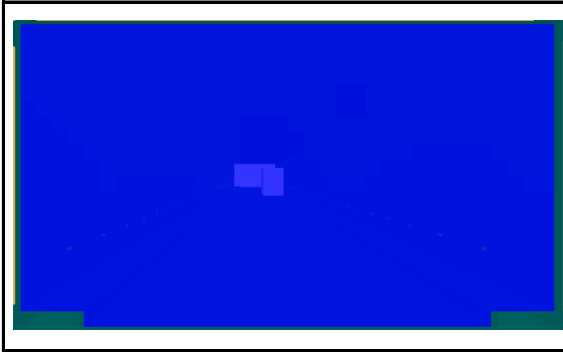
Coupe longitudinale



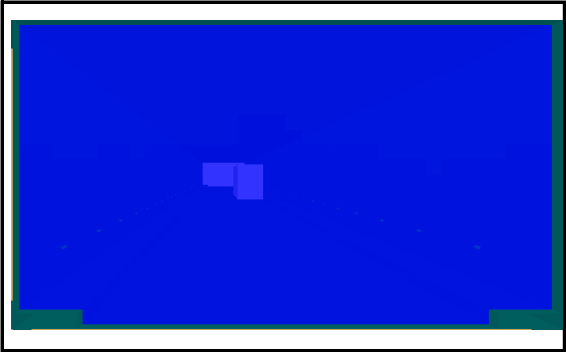
Vue à hauteur d'Homme (z=2m)



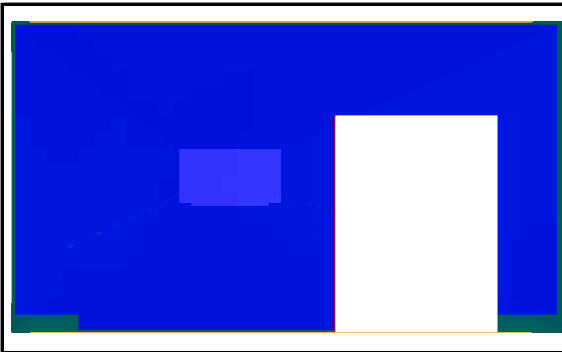
Coupe en entrée



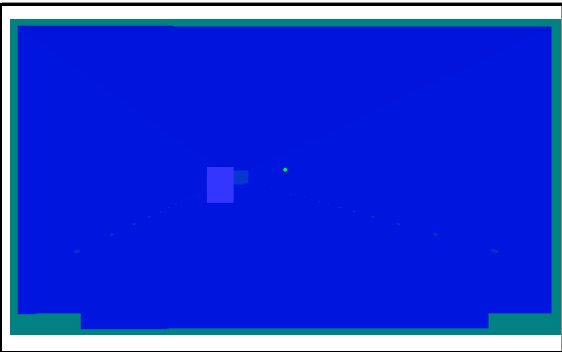
Coupe intermédiaire



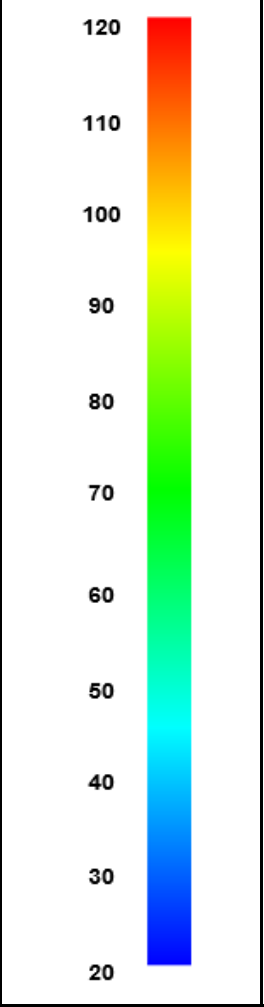
Coupe au niveau de l'issue



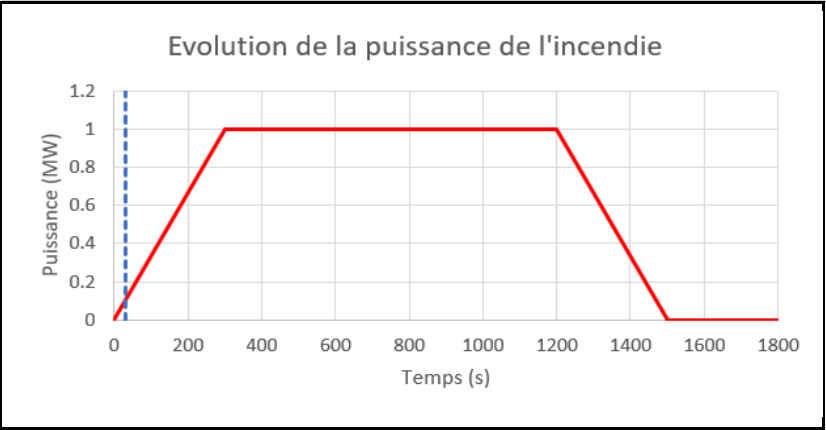
Coupe au droit du foyer



Coupe en entrée



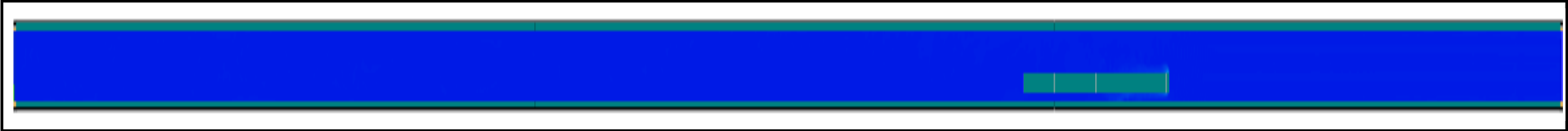
Température  
(°C)



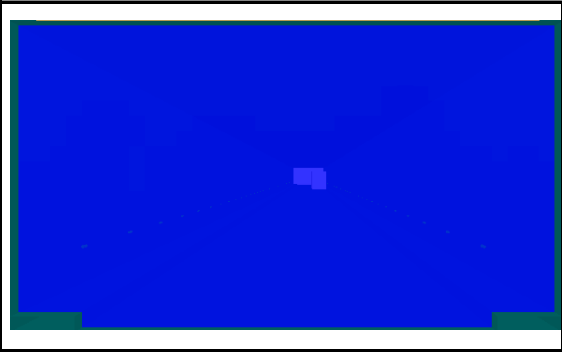
Scénario 4 : Incendie 1 MW - T = 60 s



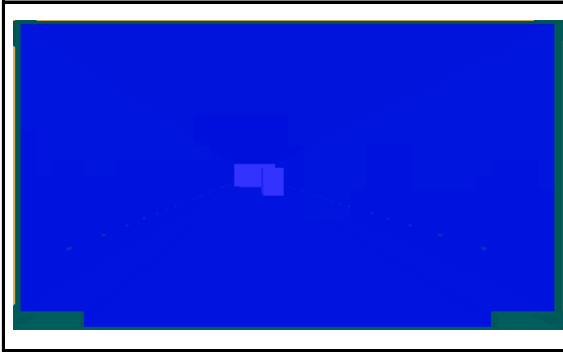
Coupe longitudinale



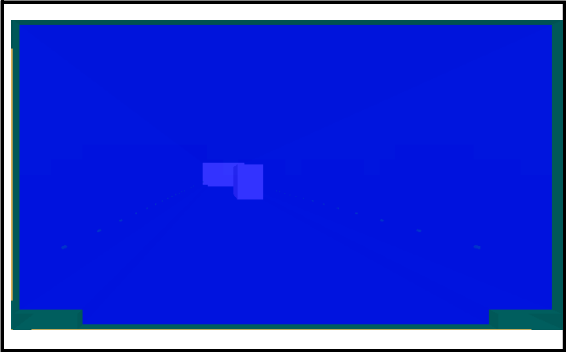
Vue à hauteur d'Homme (z=2m)



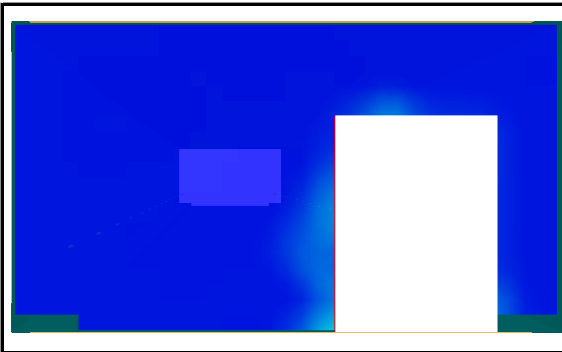
Coupe en entrée



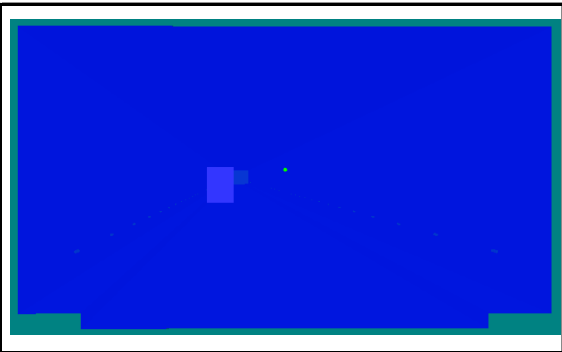
Coupe intermédiaire



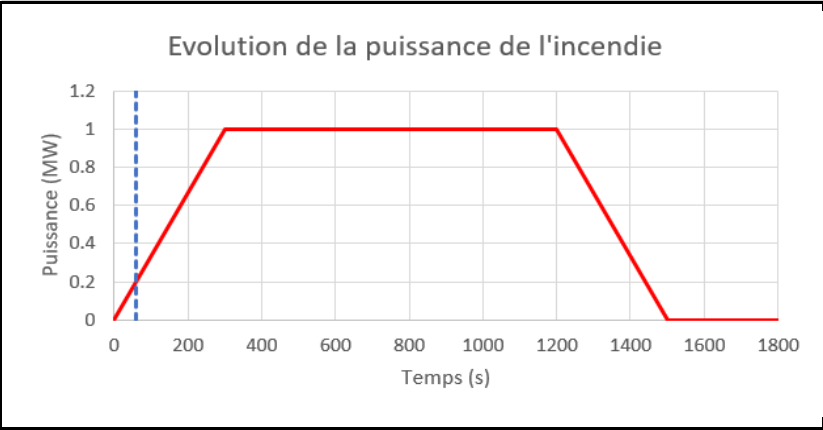
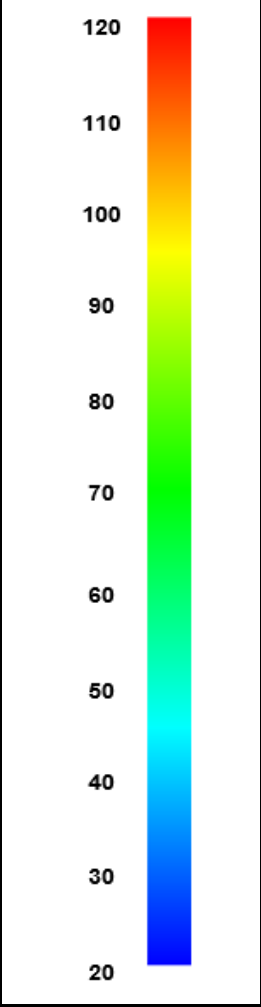
Coupe au niveau de l'issue

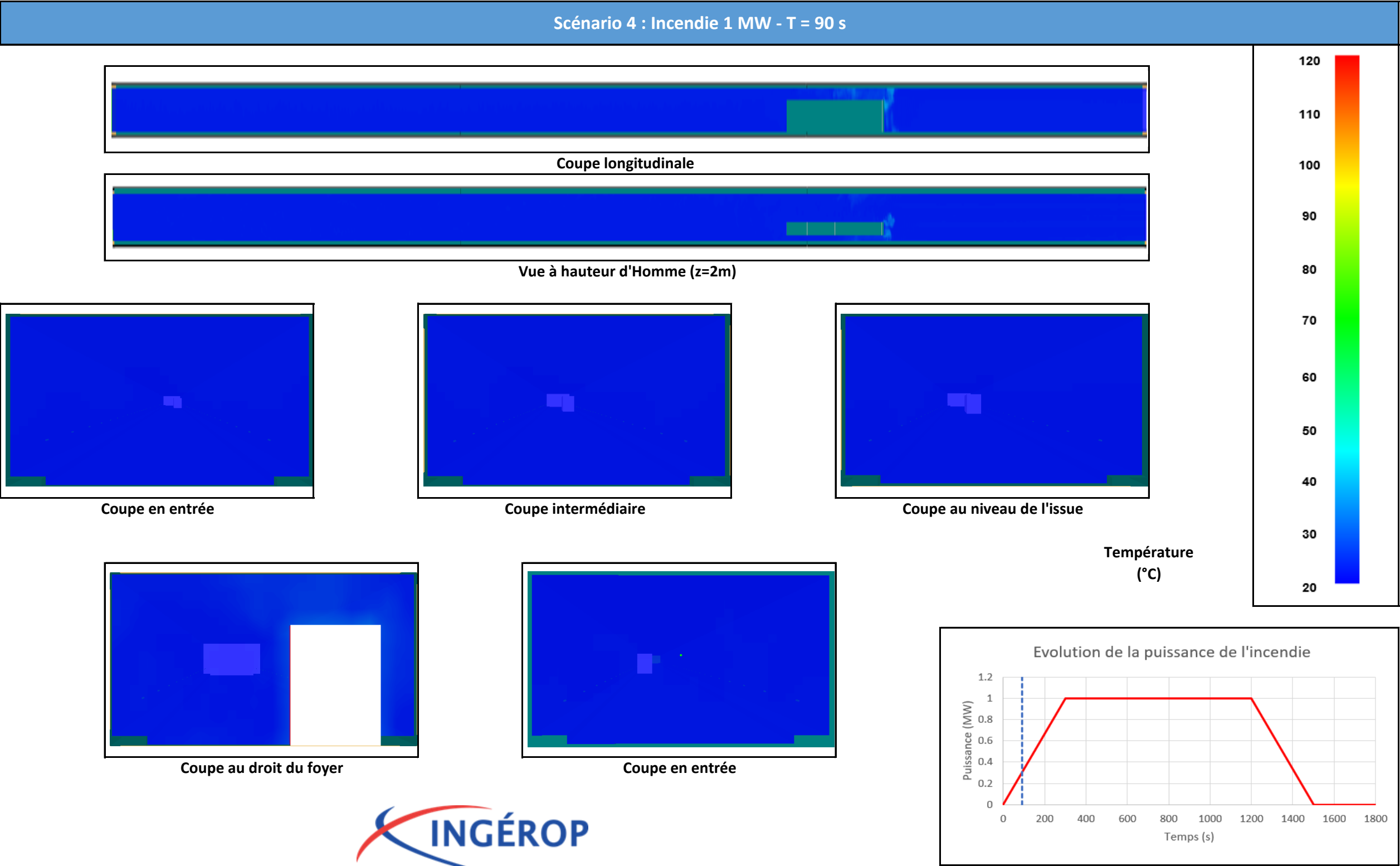


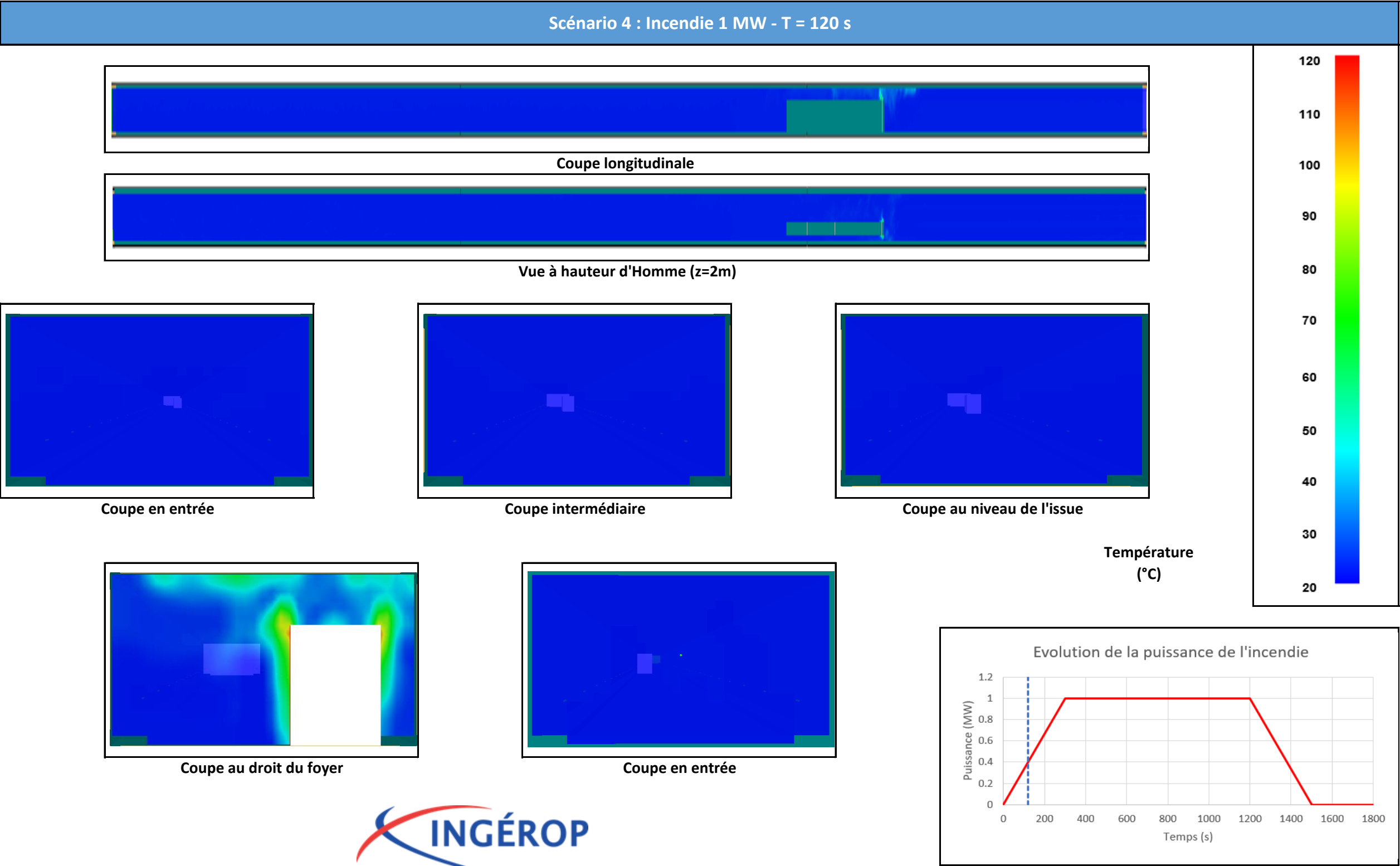
Coupe au droit du foyer



Coupe en entrée









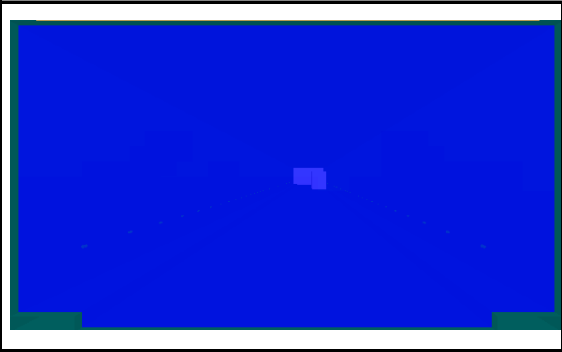
Scénario 4 : Incendie 1 MW - T = 150 s



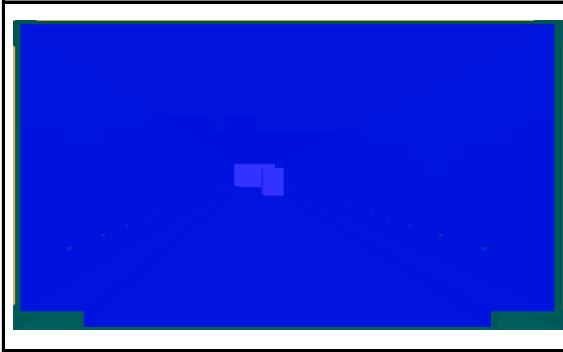
Coupe longitudinale



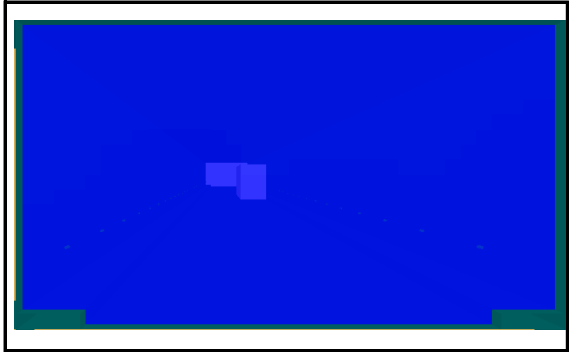
Vue à hauteur d'Homme (z=2m)



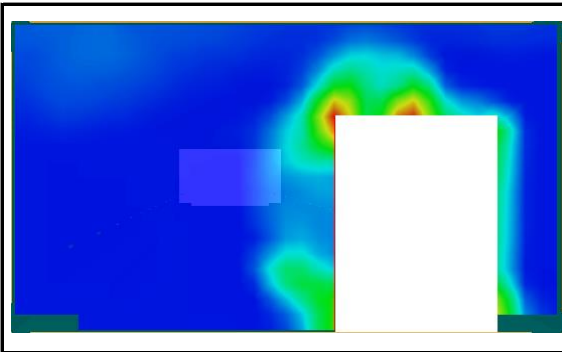
Coupe en entrée



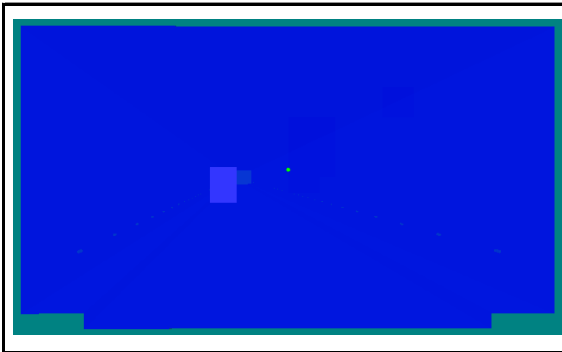
Coupe intermédiaire



Coupe au niveau de l'issue

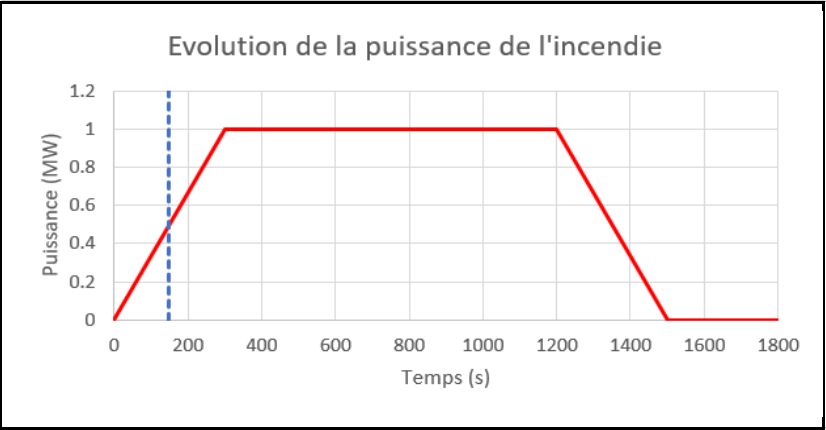
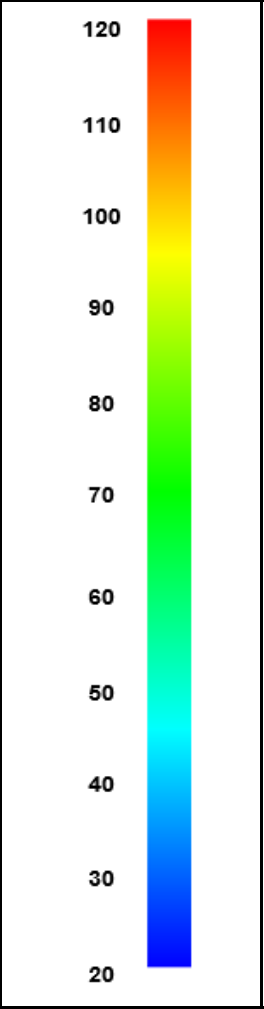


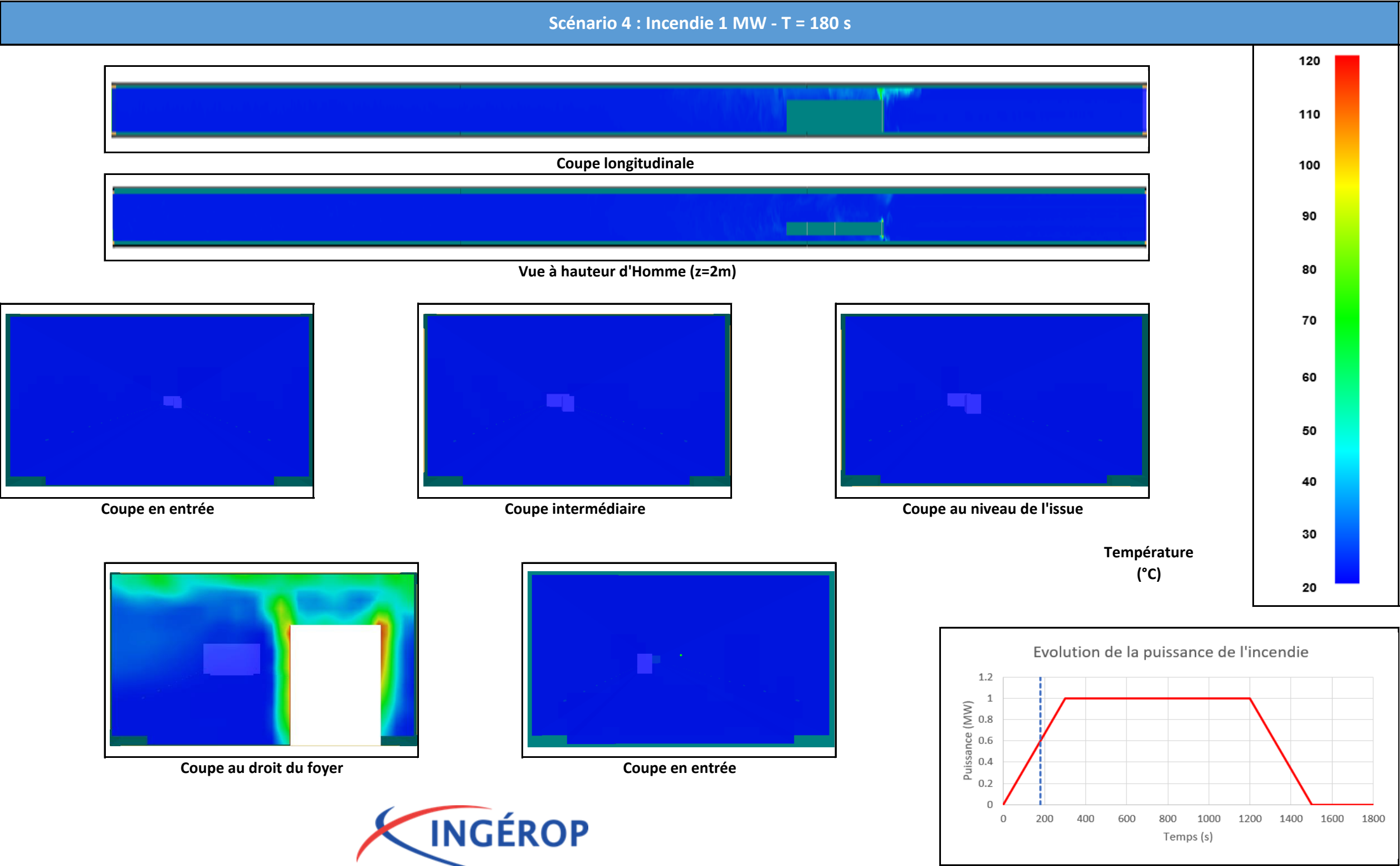
Coupe au droit du foyer

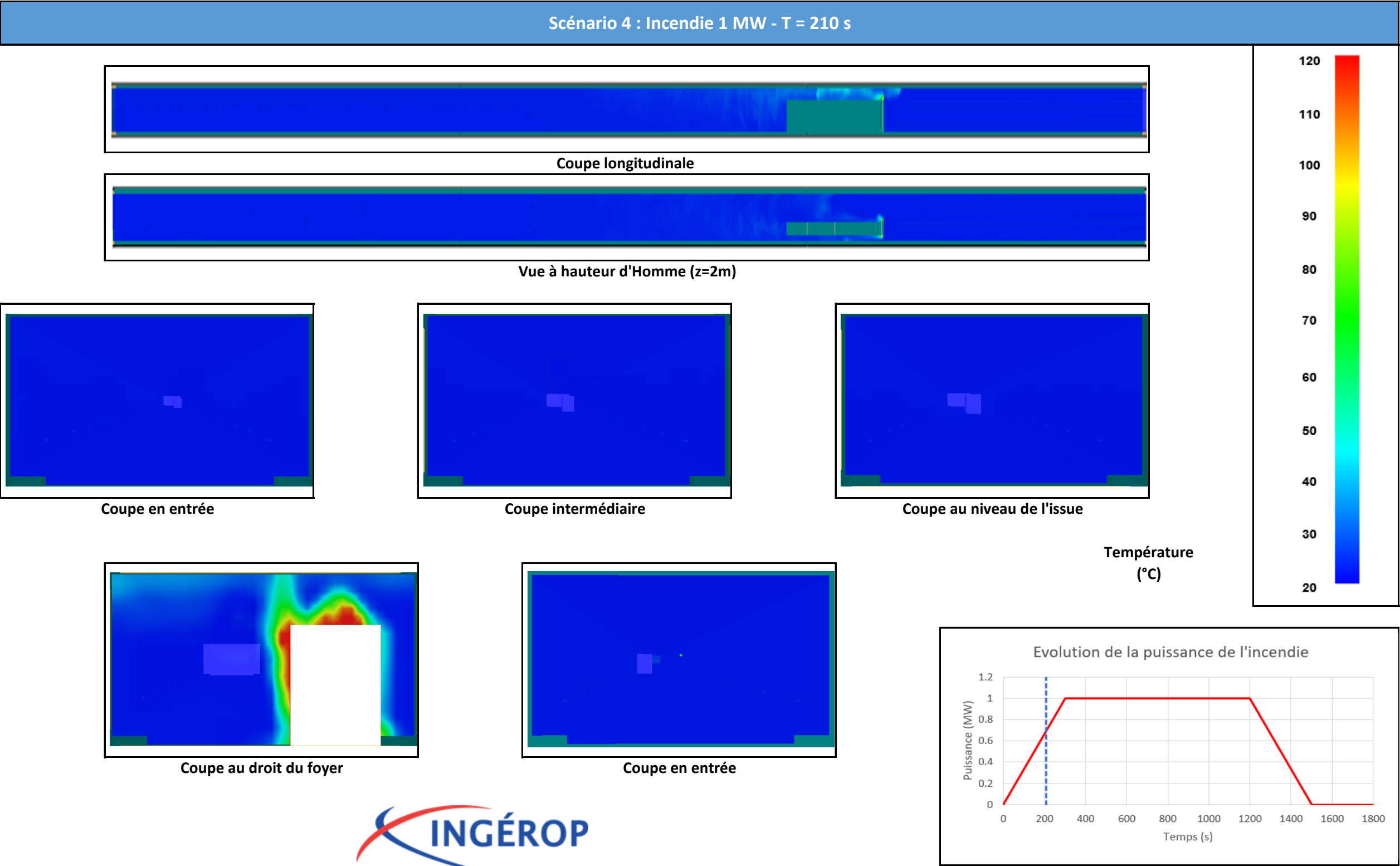


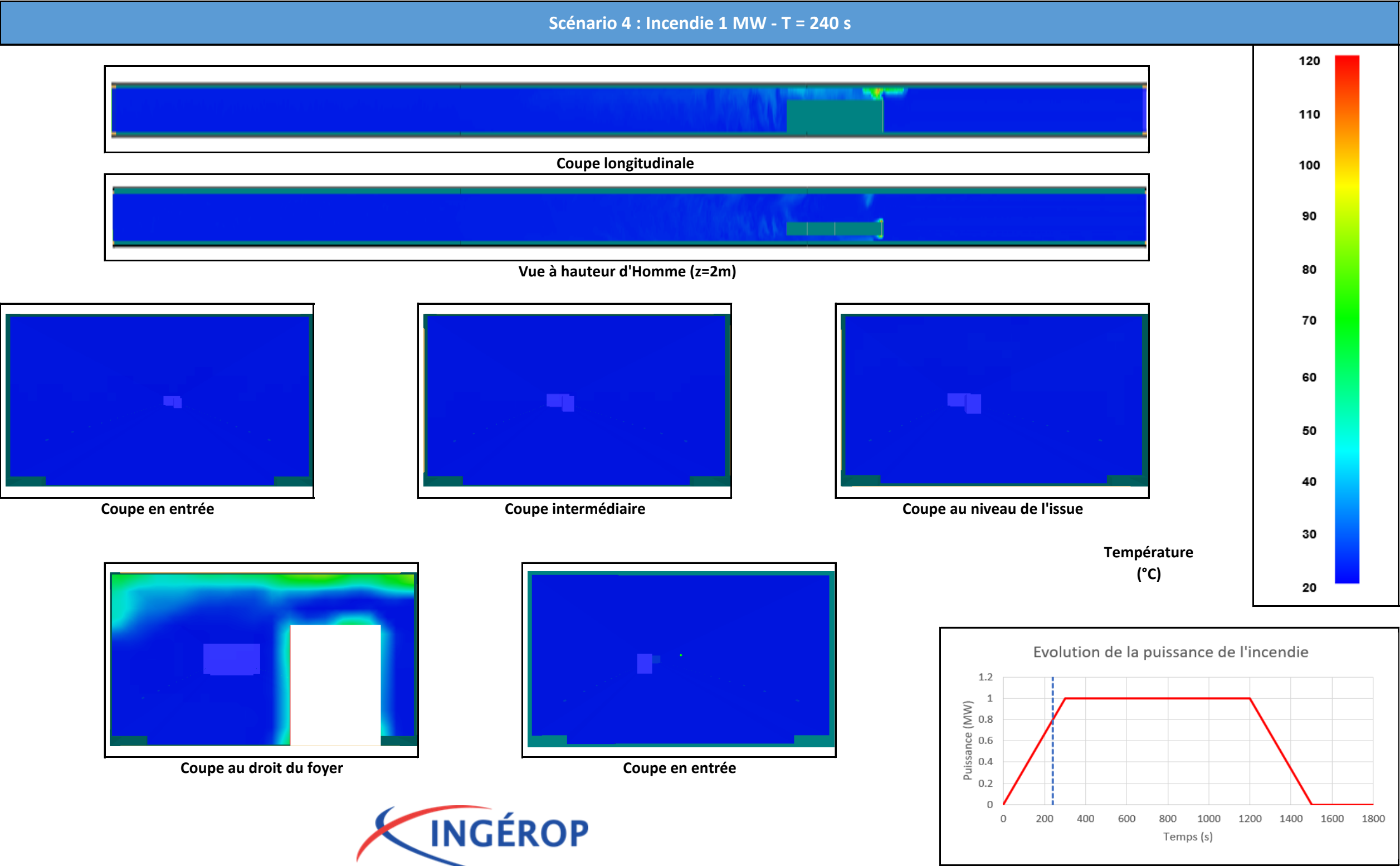
Coupe en entrée

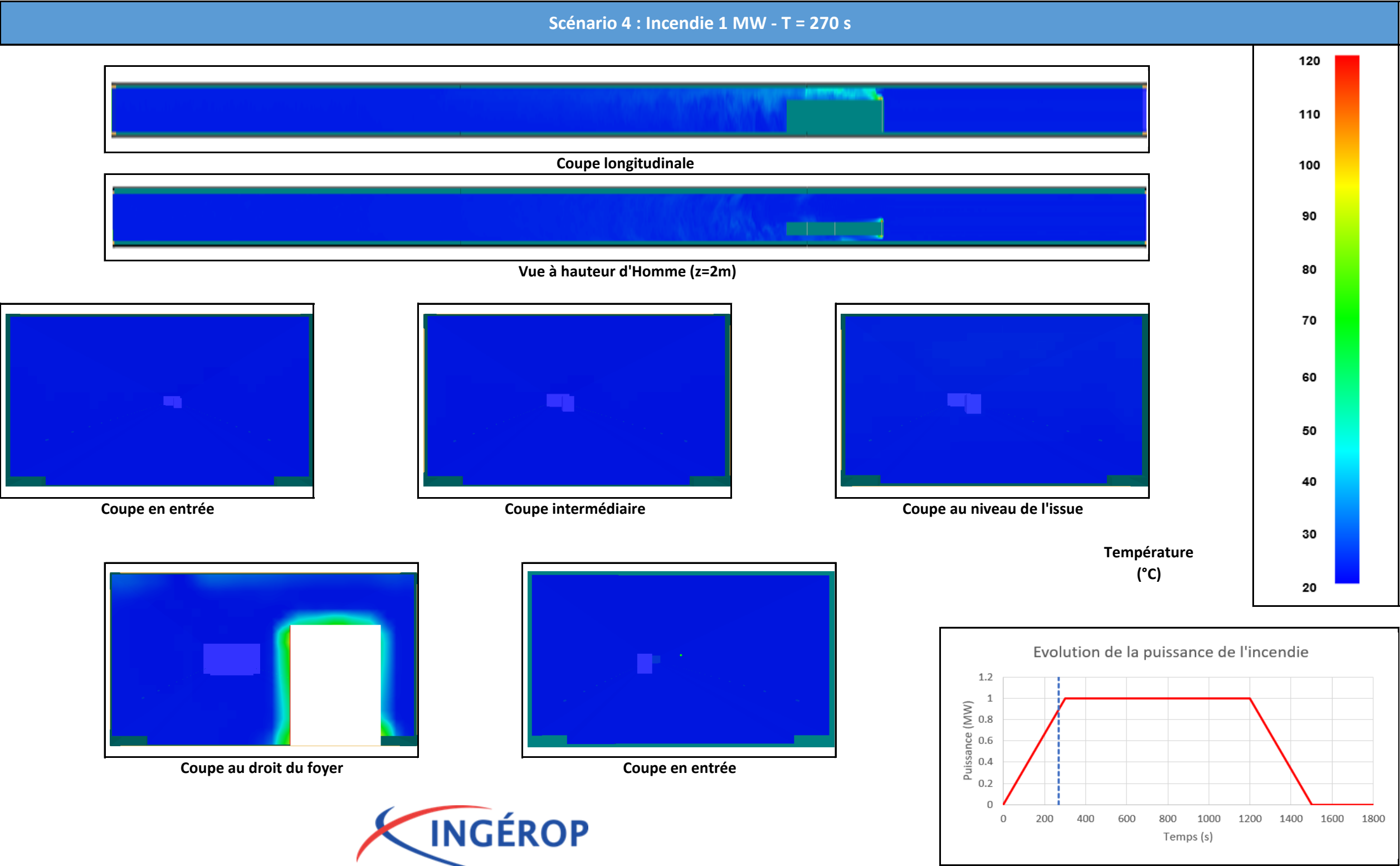
Température  
(°C)

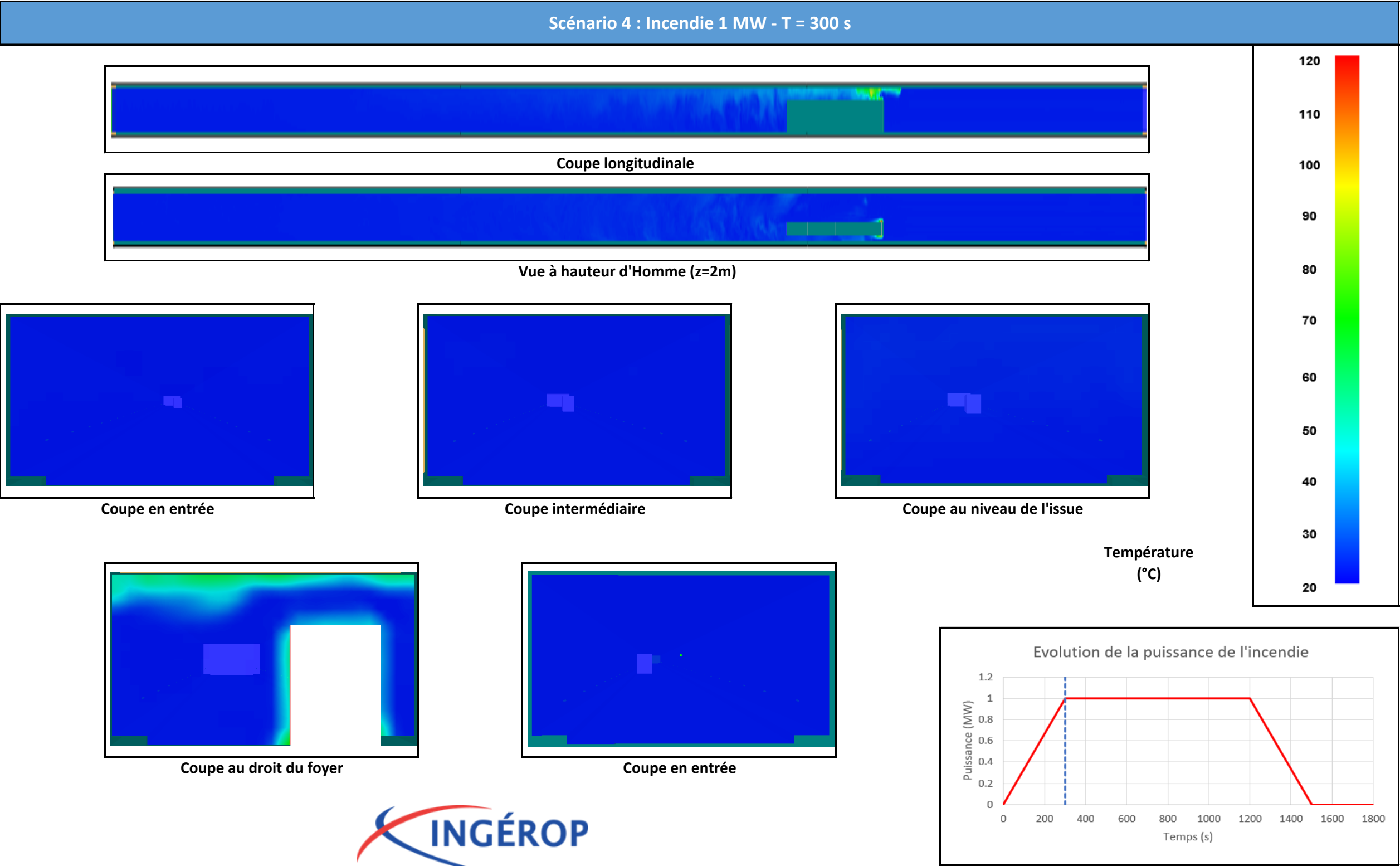


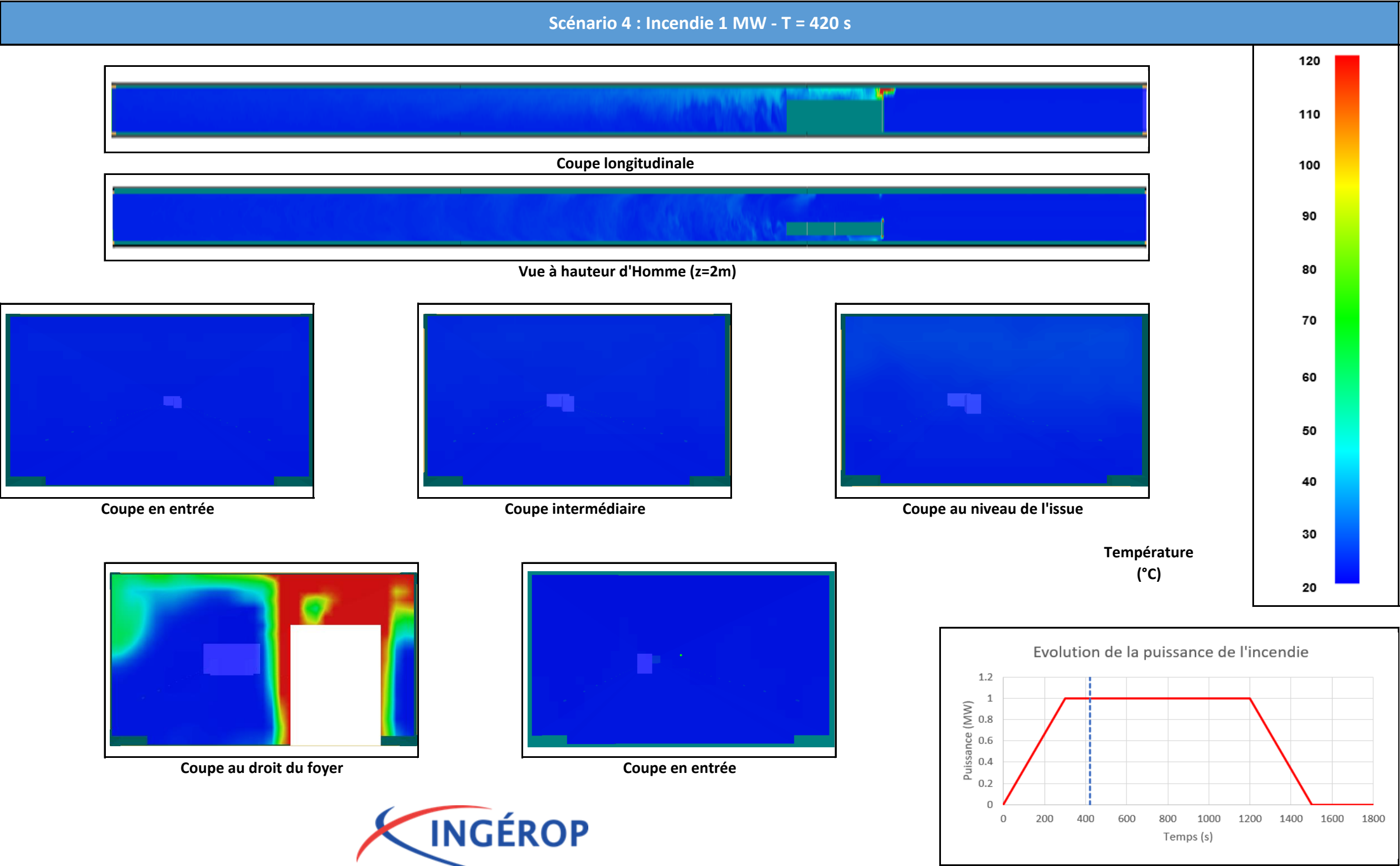


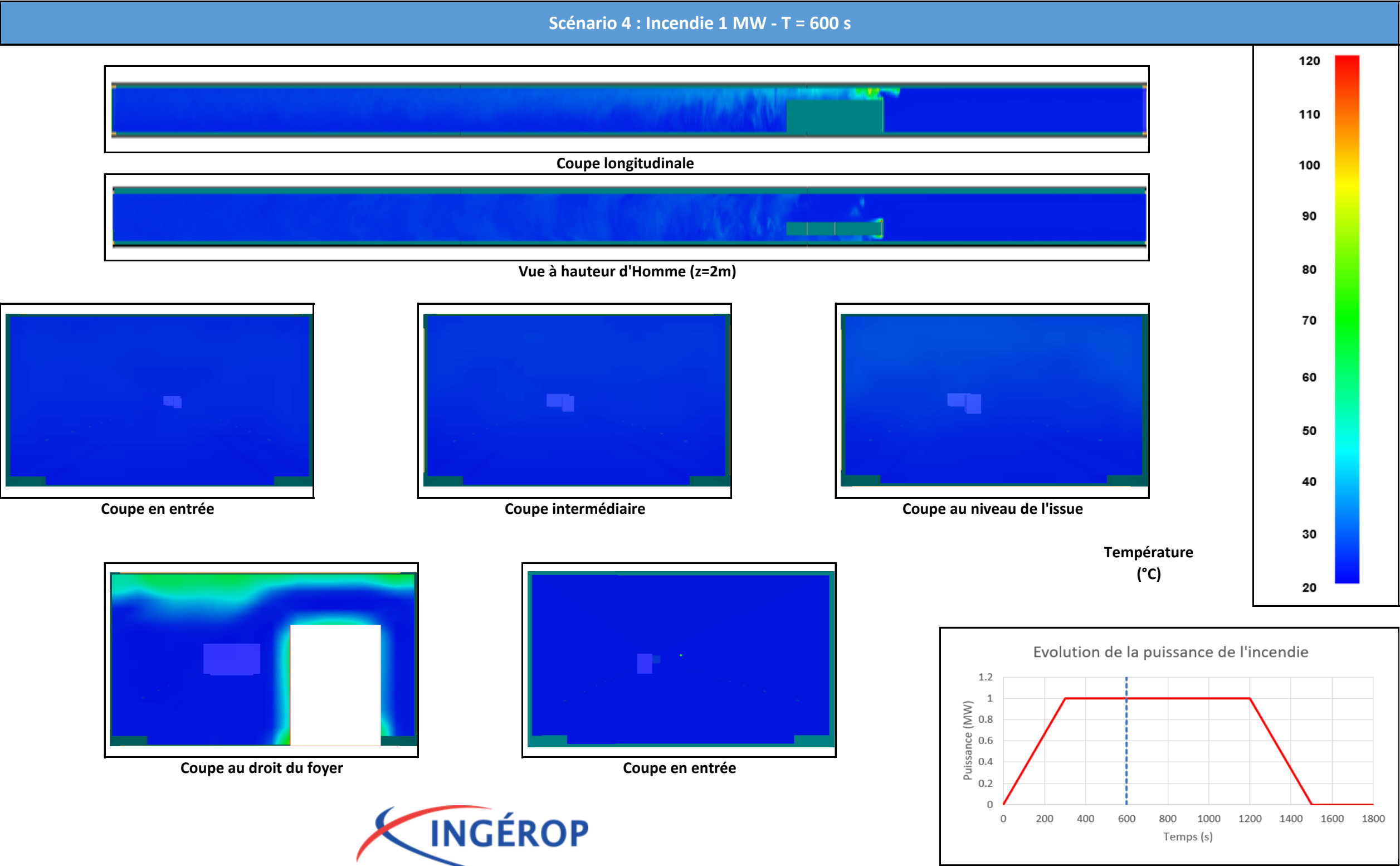




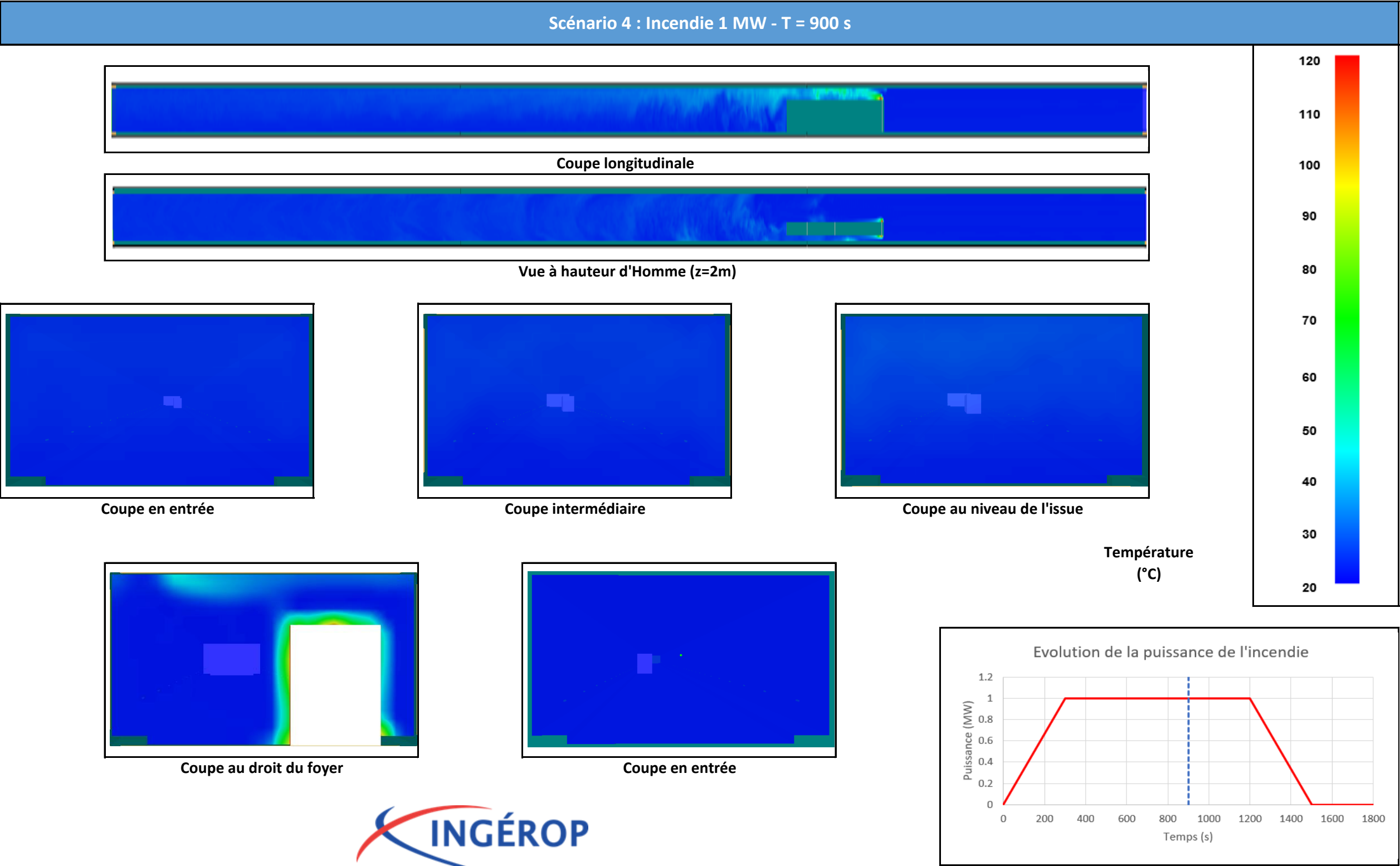


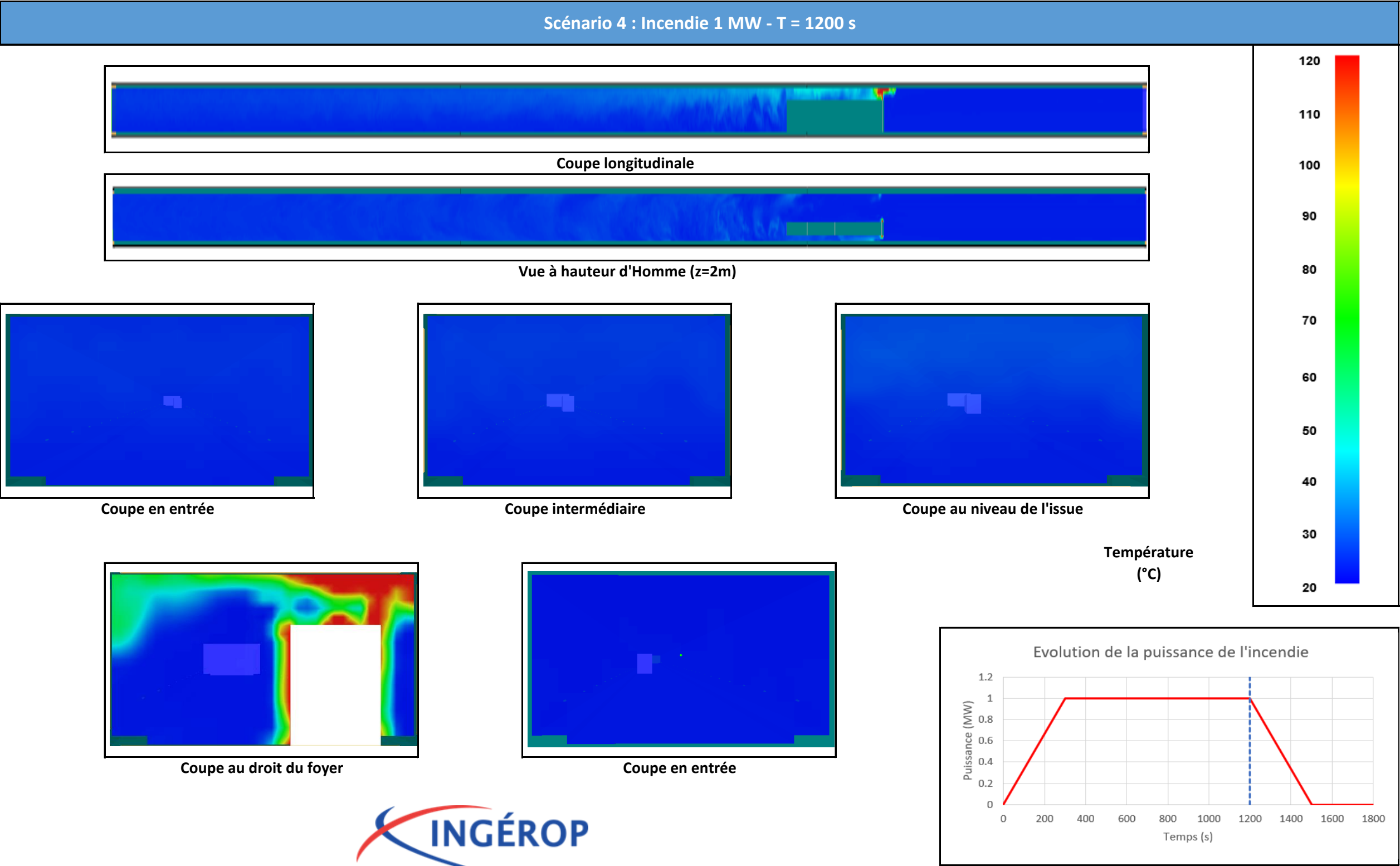










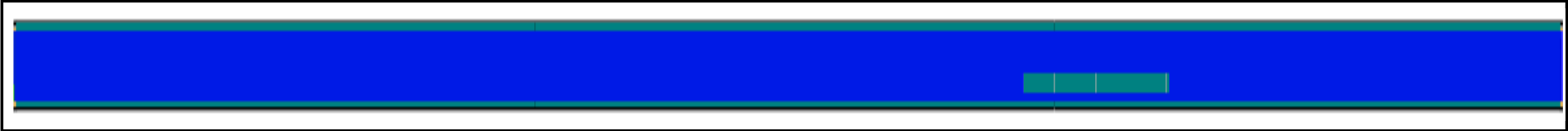


# Visibilité

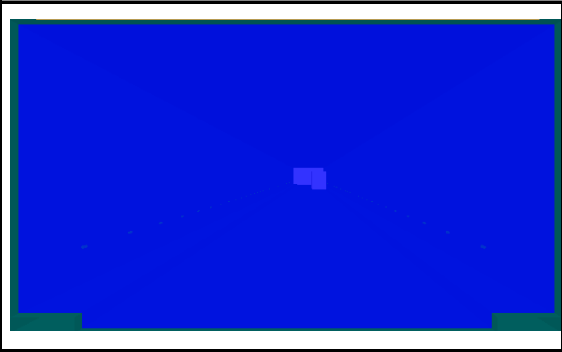
Scénario 4 : Incendie 1 MW - T = 0 s



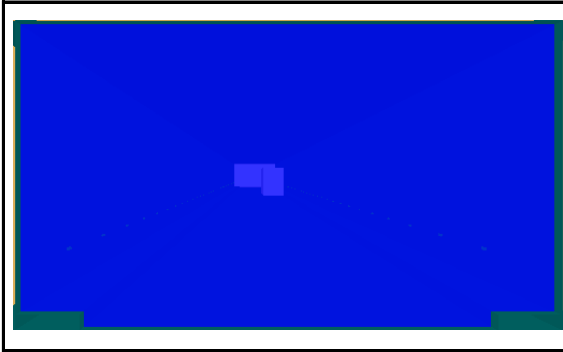
Coupe longitudinale



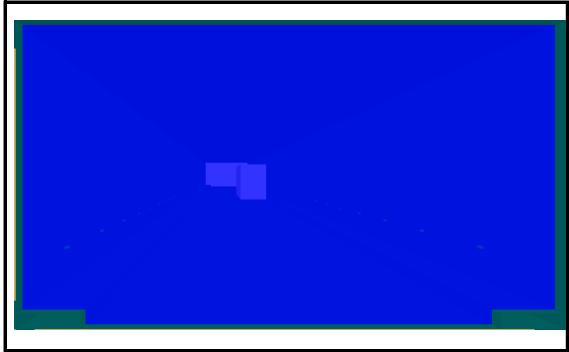
Vue à hauteur d'Homme (z=2m)



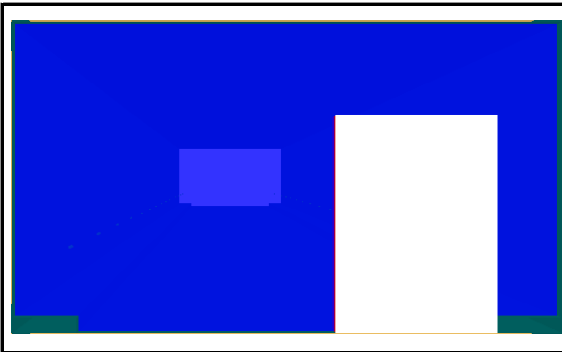
Coupe en entrée



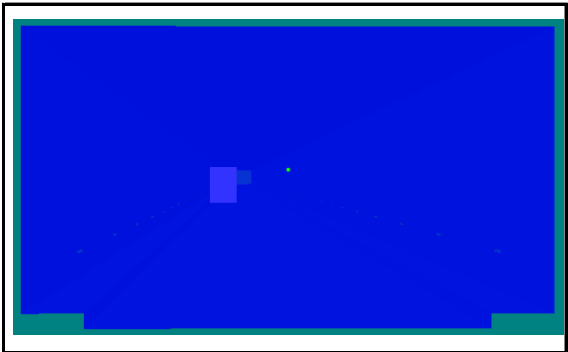
Coupe intermédiaire



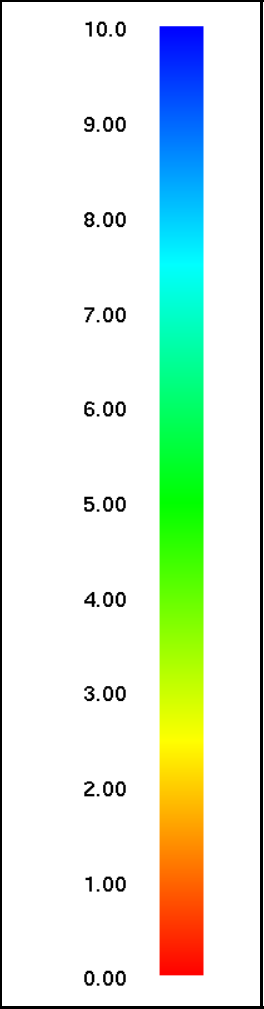
Coupe au niveau de l'issue



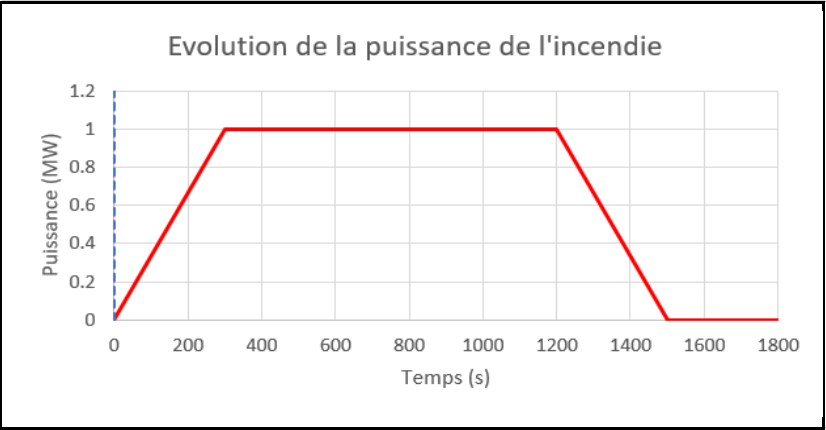
Coupe au droit du foyer



Coupe en entrée



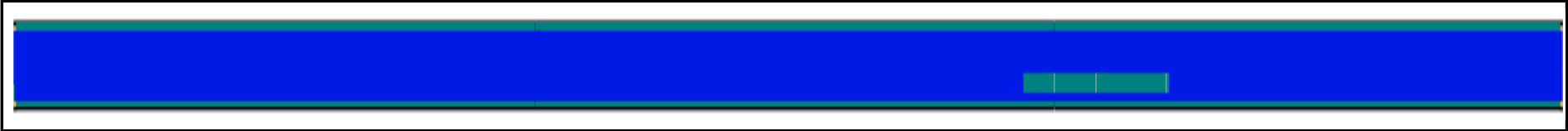
Visibilité  
(m)



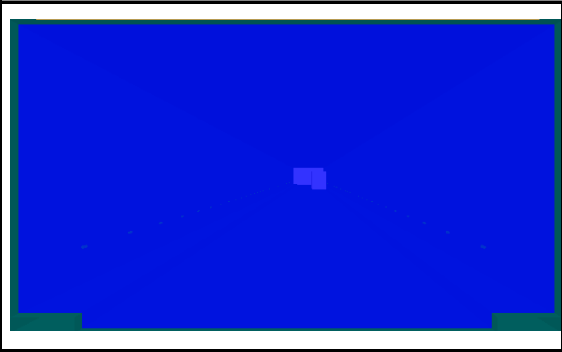
Scénario 4 : Incendie 1 MW - T = 30 s



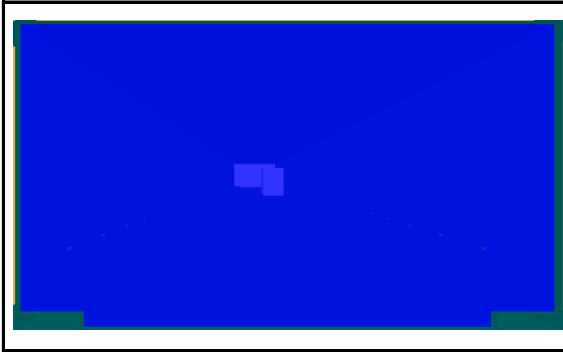
Coupe longitudinale



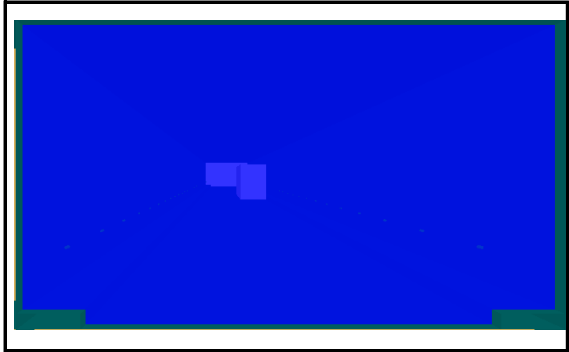
Vue à hauteur d'Homme (z=2m)



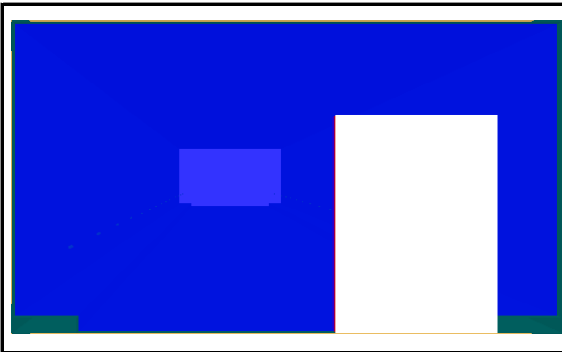
Coupe en entrée



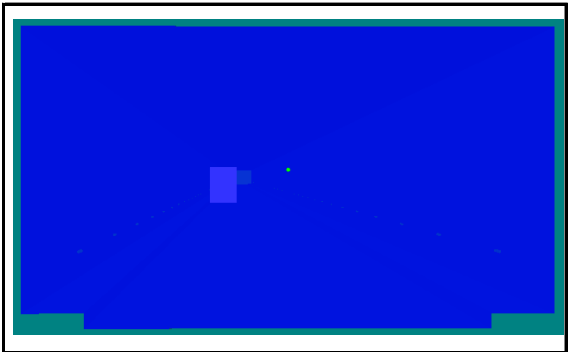
Coupe intermédiaire



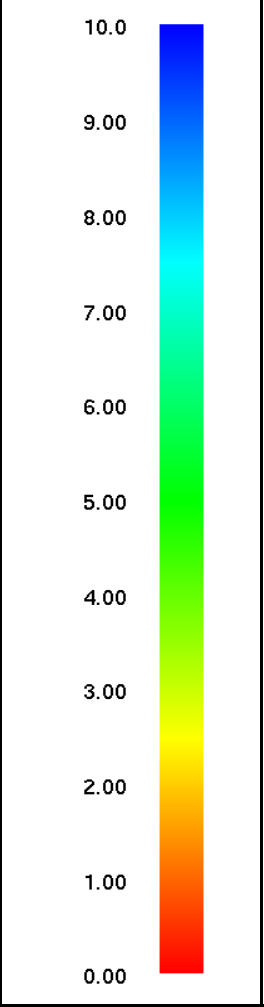
Coupe au niveau de l'issue



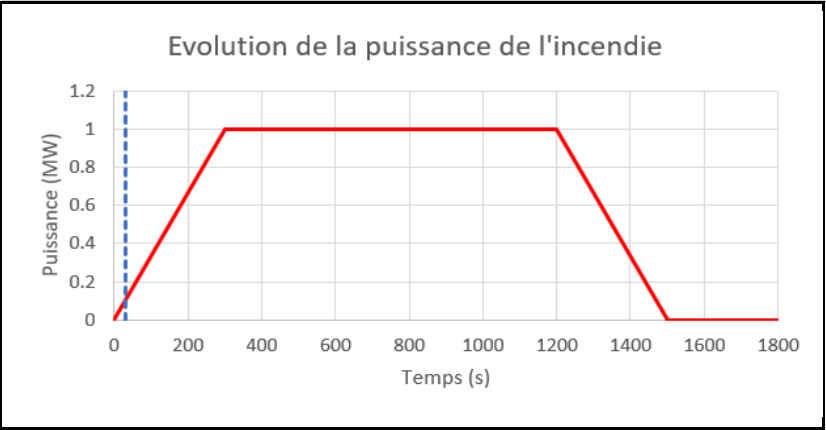
Coupe au droit du foyer



Coupe en entrée



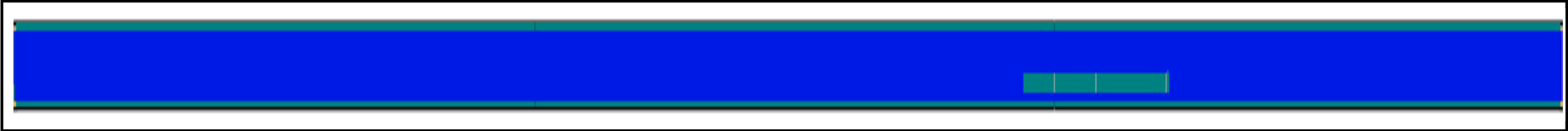
Visibilité  
(m)



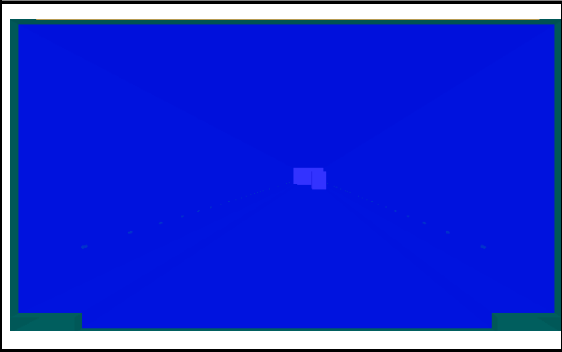
Scénario 4 : Incendie 1 MW - T = 60 s



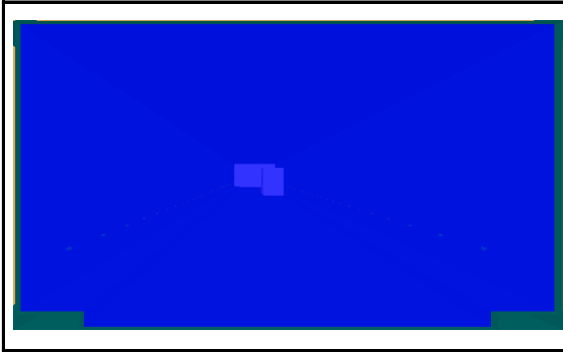
Coupe longitudinale



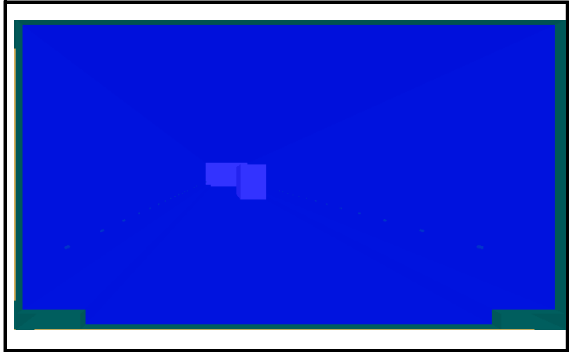
Vue à hauteur d'Homme (z=2m)



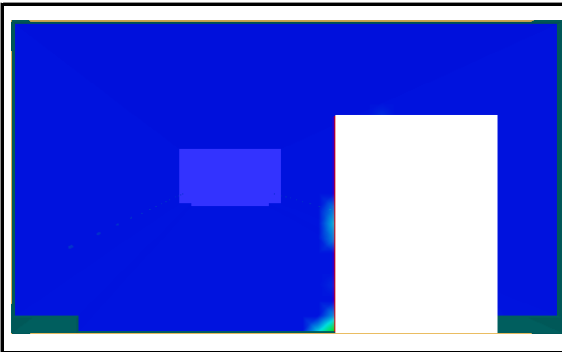
Coupe en entrée



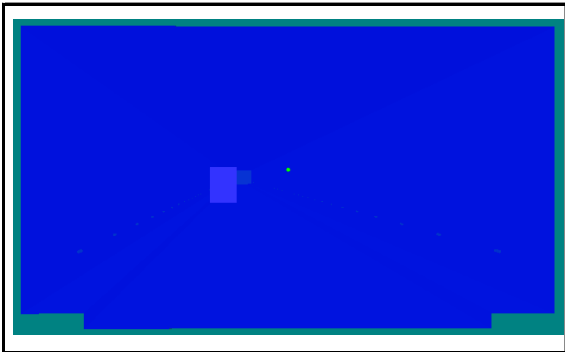
Coupe intermédiaire



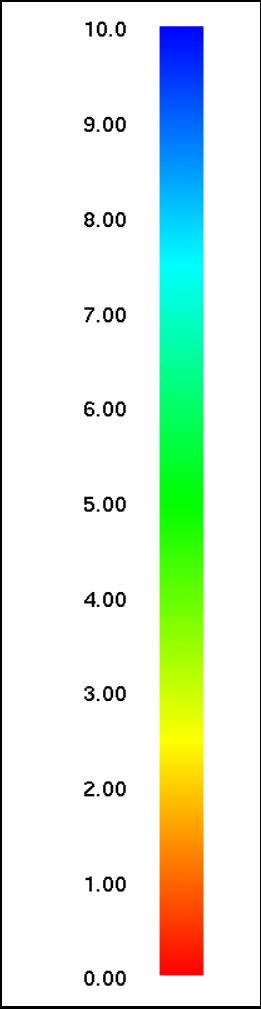
Coupe au niveau de l'issue



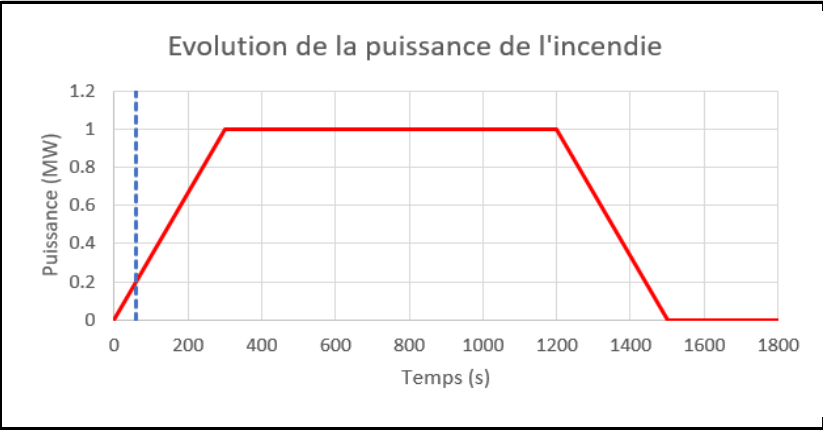
Coupe au droit du foyer



Coupe en entrée



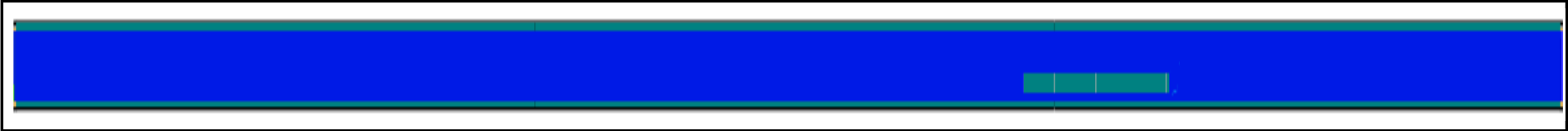
Visibilité  
(m)



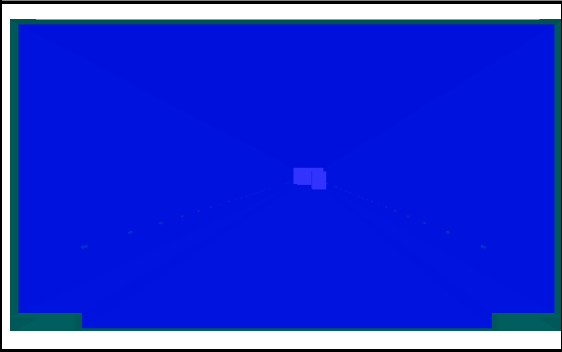
Scénario 4 : Incendie 1 MW - T = 90 s



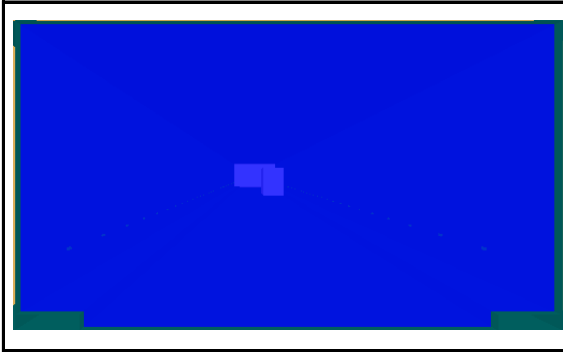
Coupe longitudinale



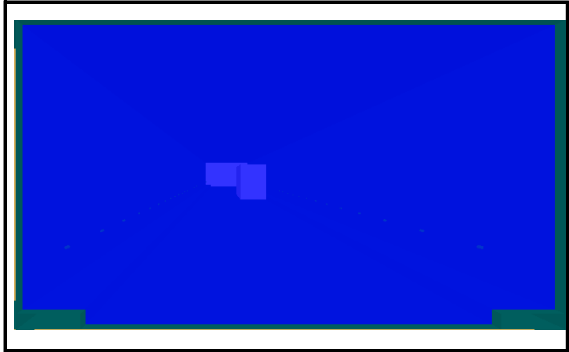
Vue à hauteur d'Homme (z=2m)



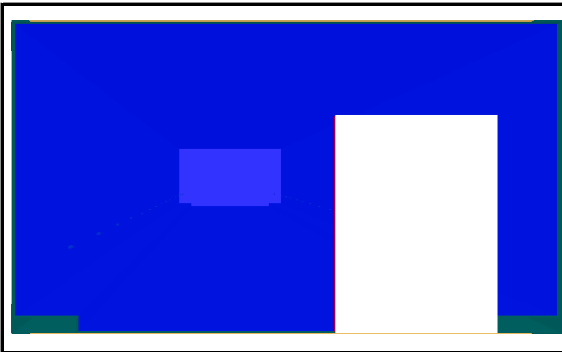
Coupe en entrée



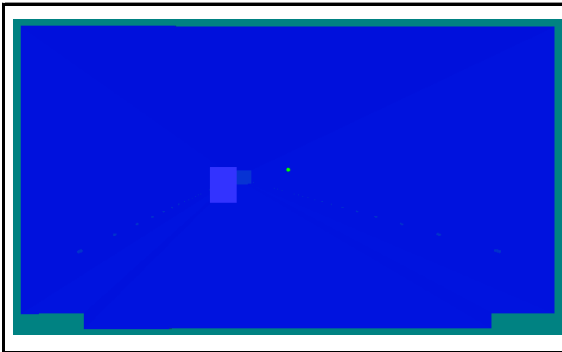
Coupe intermédiaire



Coupe au niveau de l'issue

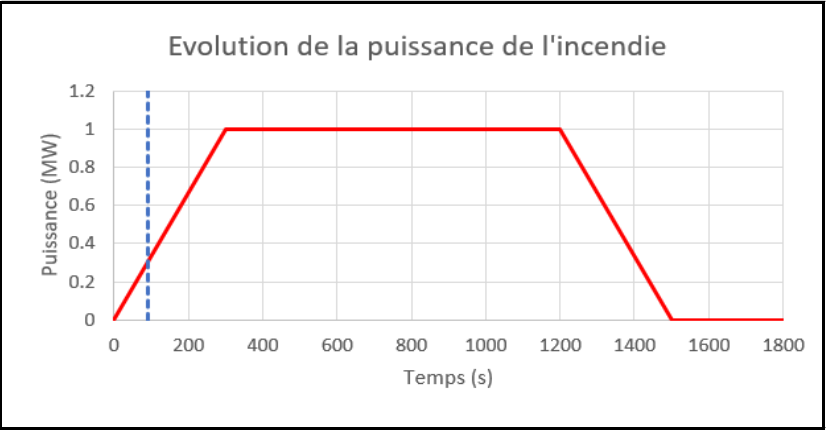
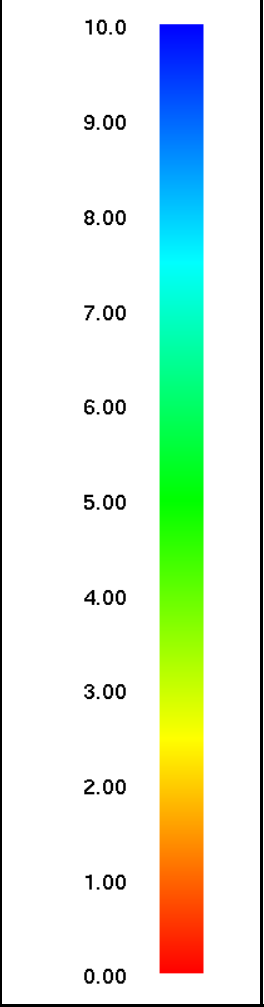


Coupe au droit du foyer



Coupe en entrée

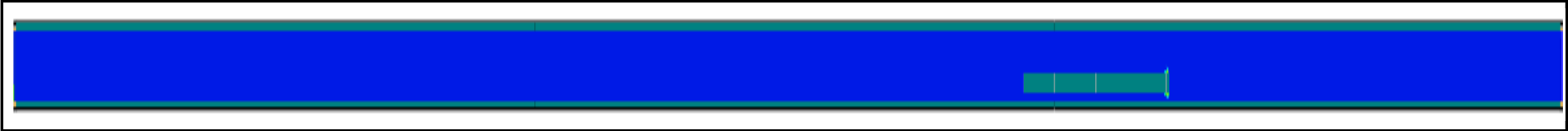
Visibilité  
(m)



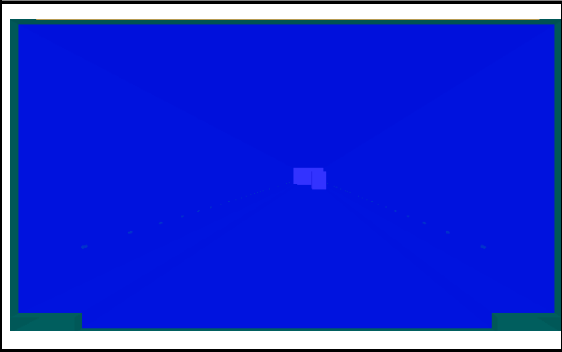
Scénario 4 : Incendie 1 MW - T = 120 s



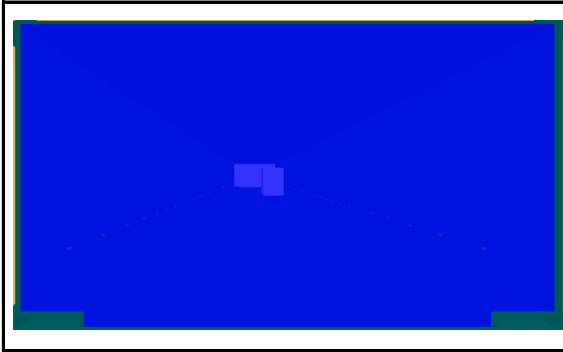
Coupe longitudinale



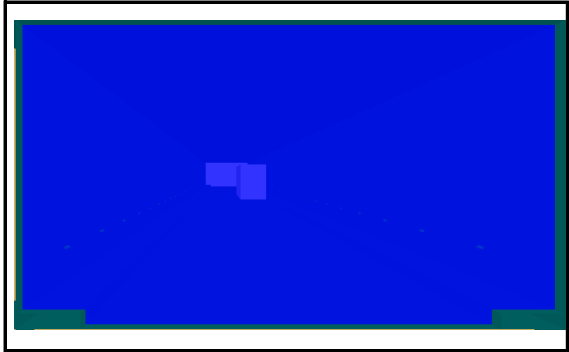
Vue à hauteur d'Homme (z=2m)



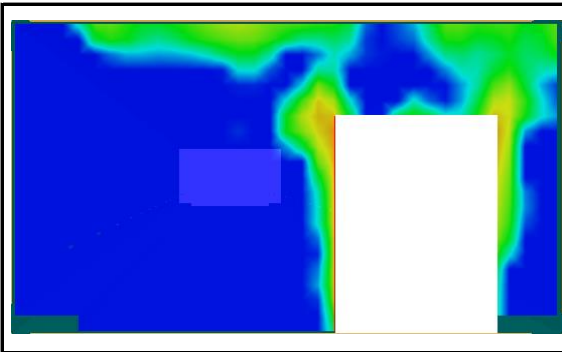
Coupe en entrée



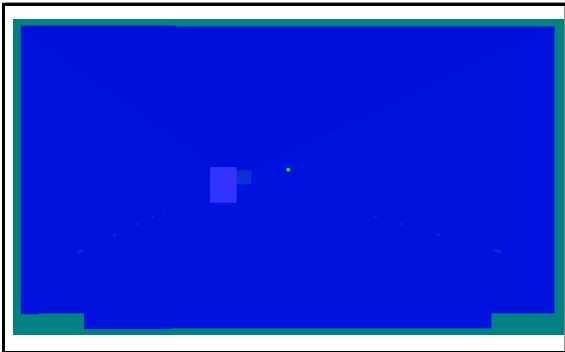
Coupe intermédiaire



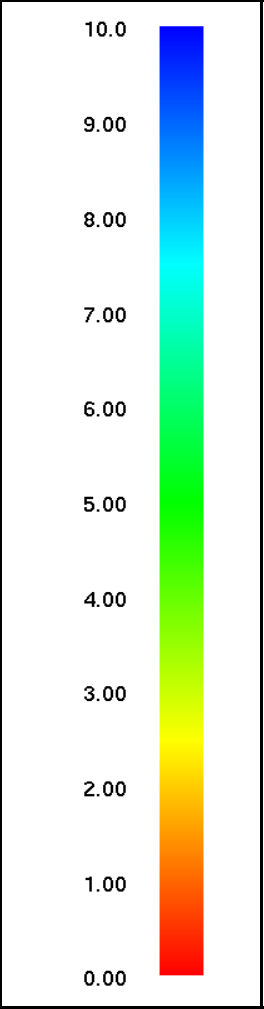
Coupe au niveau de l'issue



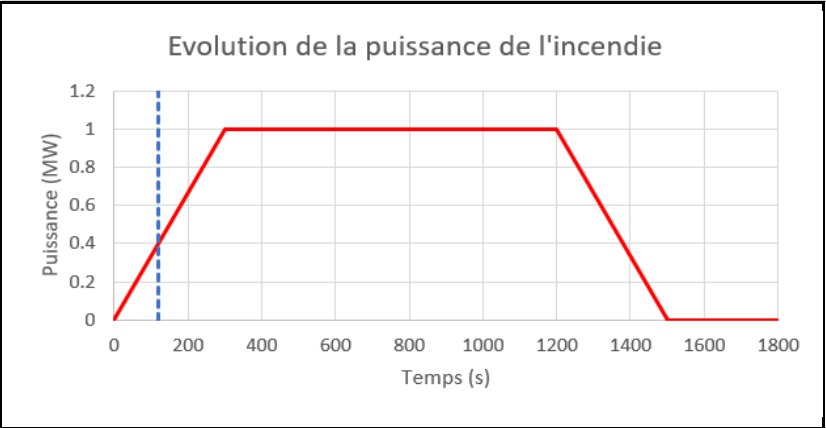
Coupe au droit du foyer



Coupe en entrée



Visibilité  
(m)





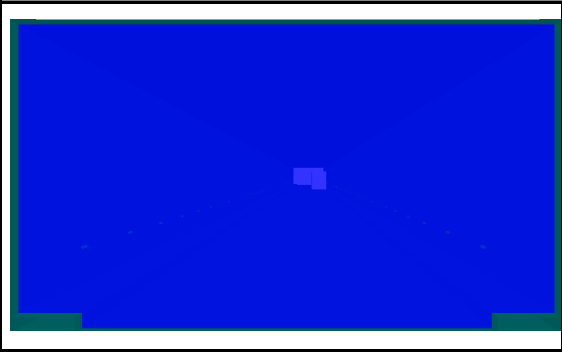
Scénario 4 : Incendie 1 MW - T = 150 s



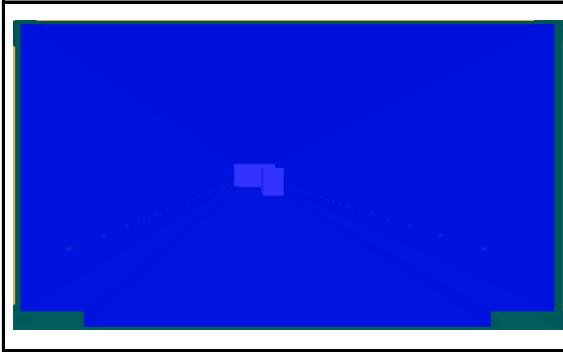
Coupe longitudinale



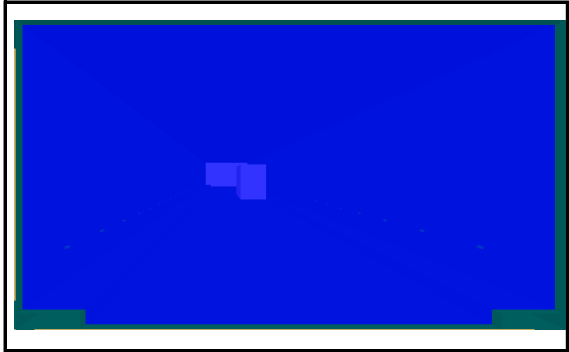
Vue à hauteur d'Homme (z=2m)



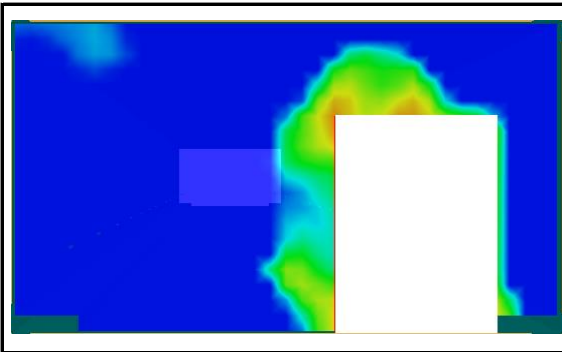
Coupe en entrée



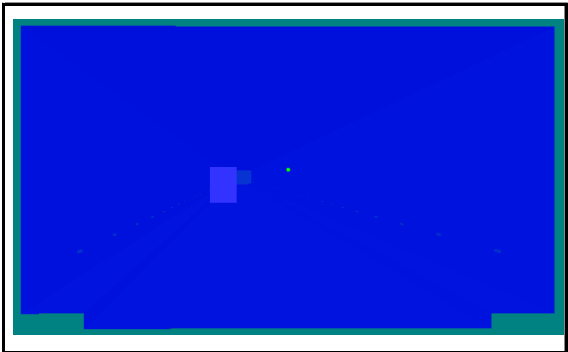
Coupe intermédiaire



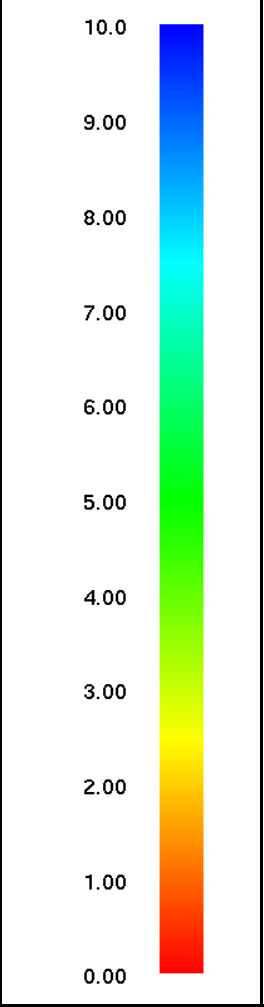
Coupe au niveau de l'issue



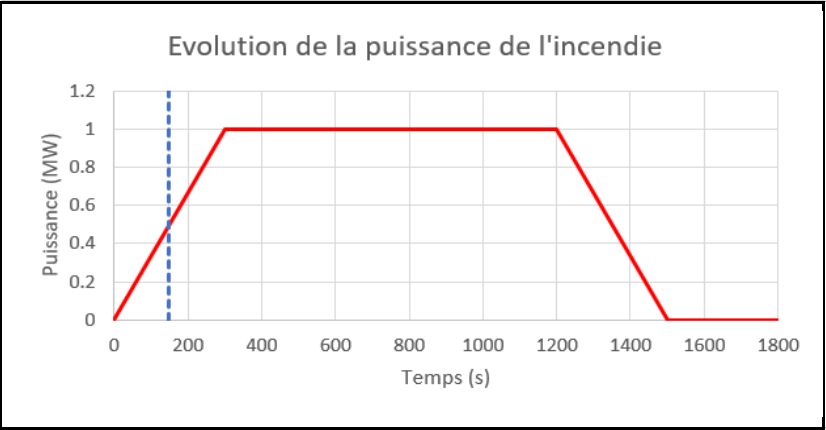
Coupe au droit du foyer



Coupe en entrée



Visibilité (m)



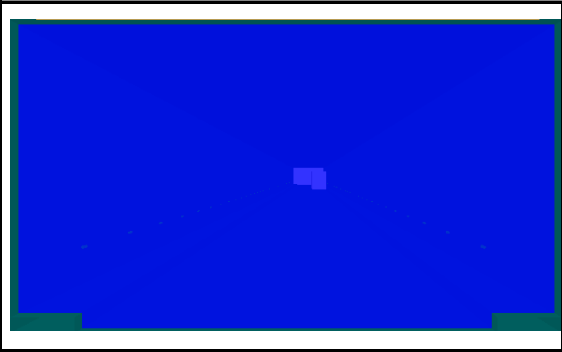
Scénario 4 : Incendie 1 MW - T = 180 s



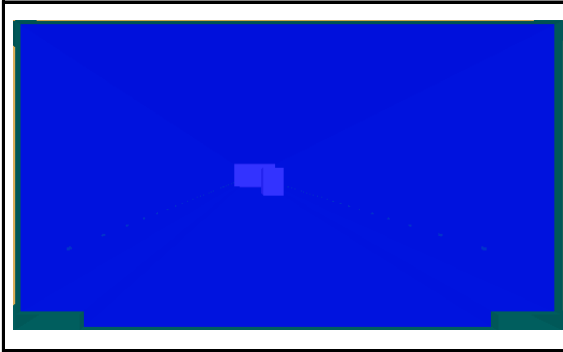
Coupe longitudinale



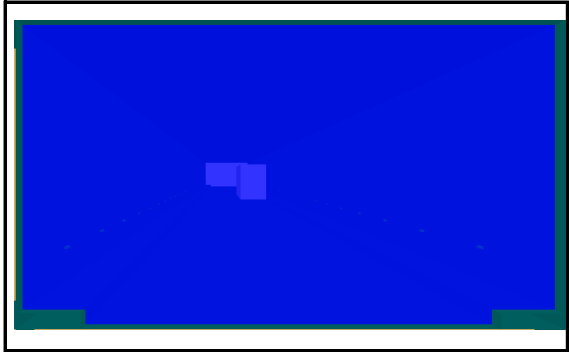
Vue à hauteur d'Homme (z=2m)



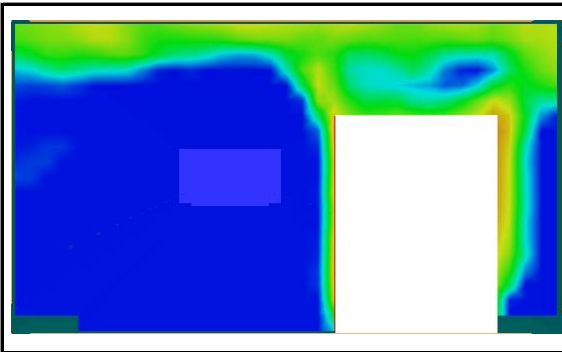
Coupe en entrée



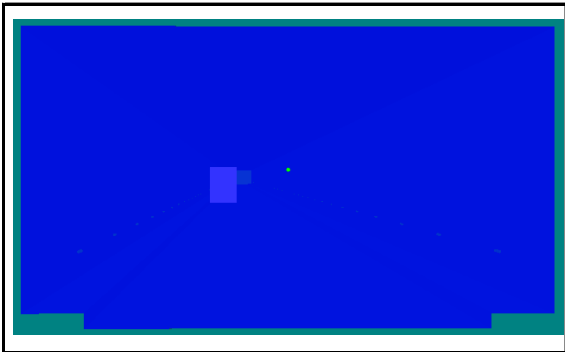
Coupe intermédiaire



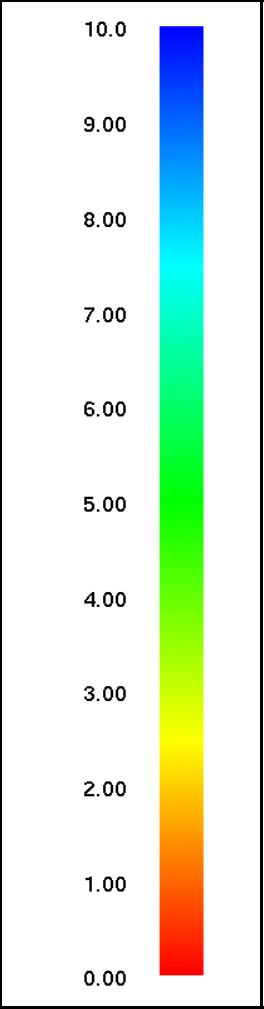
Coupe au niveau de l'issue



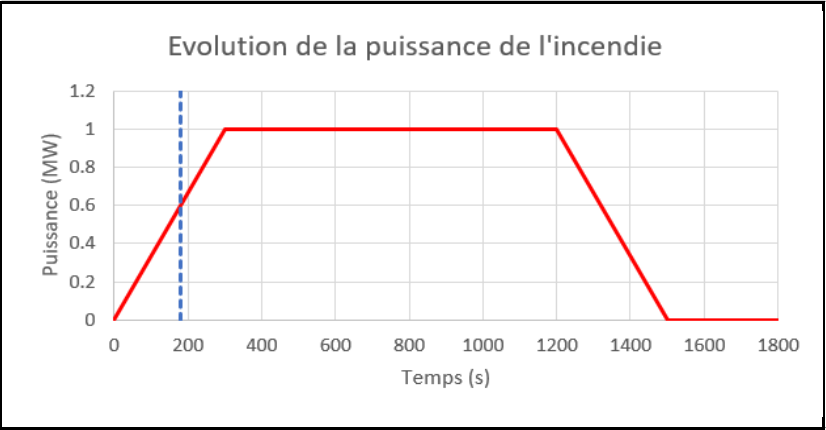
Coupe au droit du foyer



Coupe en entrée



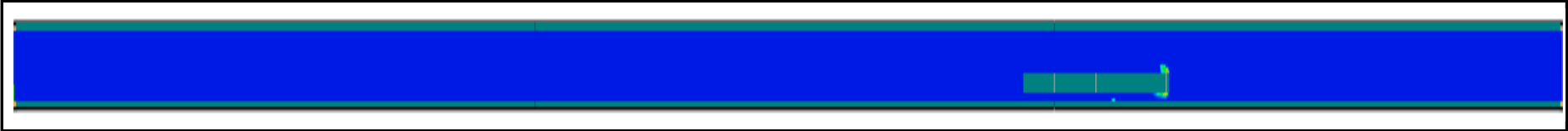
Visibilité (m)



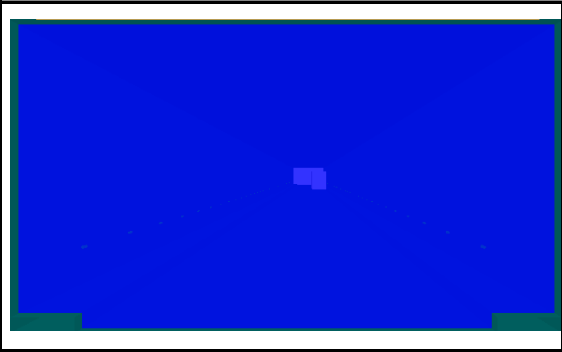
Scénario 4 : Incendie 1 MW - T = 210 s



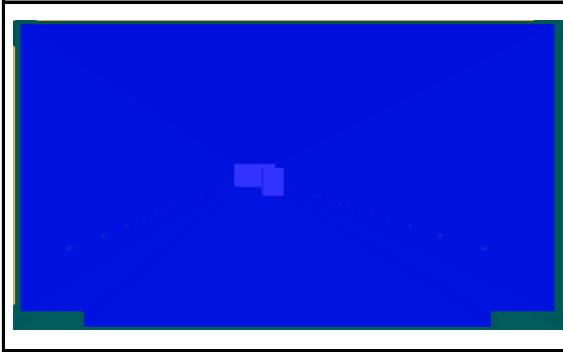
Coupe longitudinale



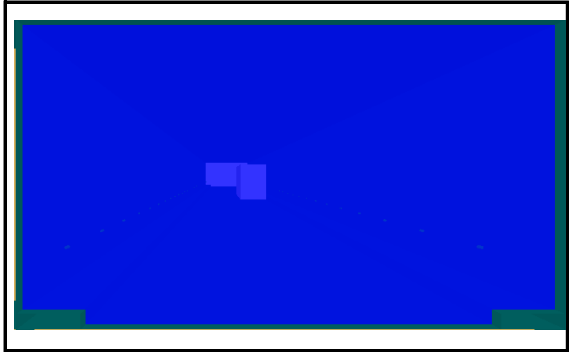
Vue à hauteur d'Homme (z=2m)



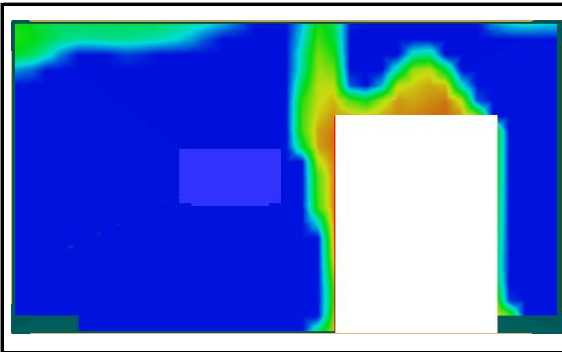
Coupe en entrée



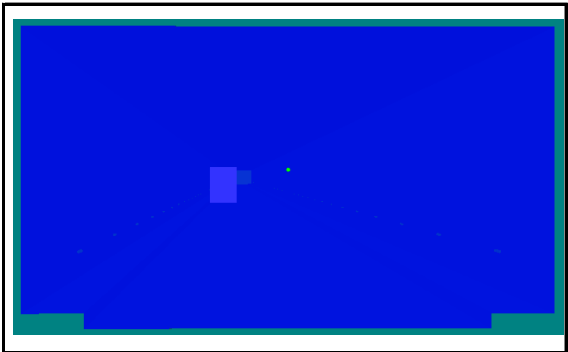
Coupe intermédiaire



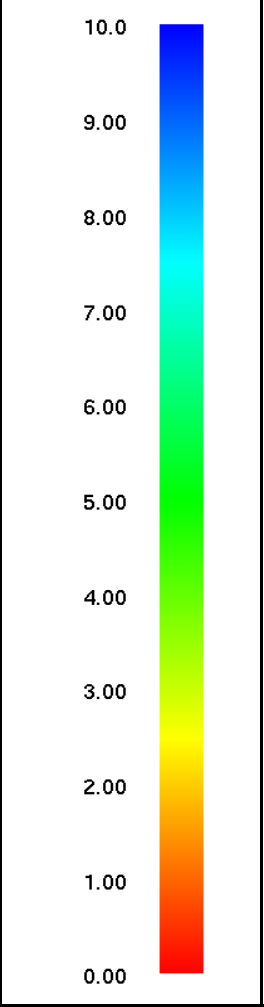
Coupe au niveau de l'issue



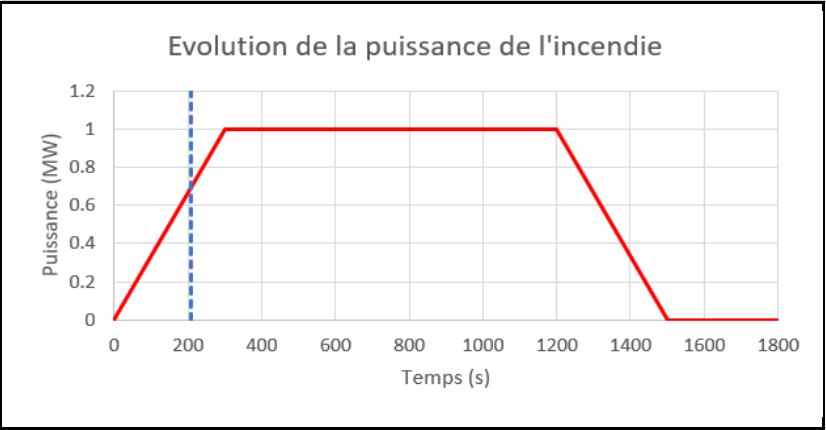
Coupe au droit du foyer

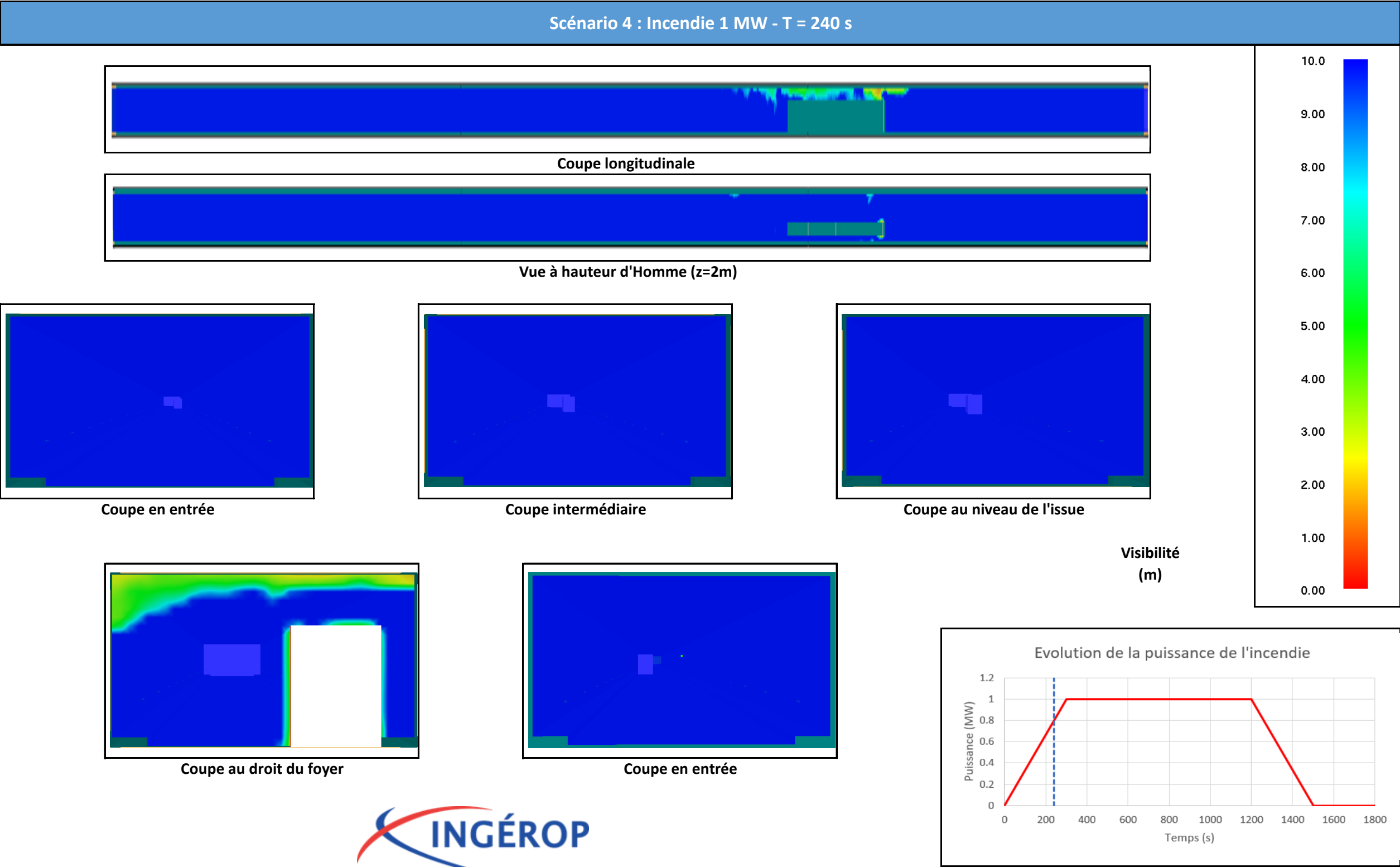


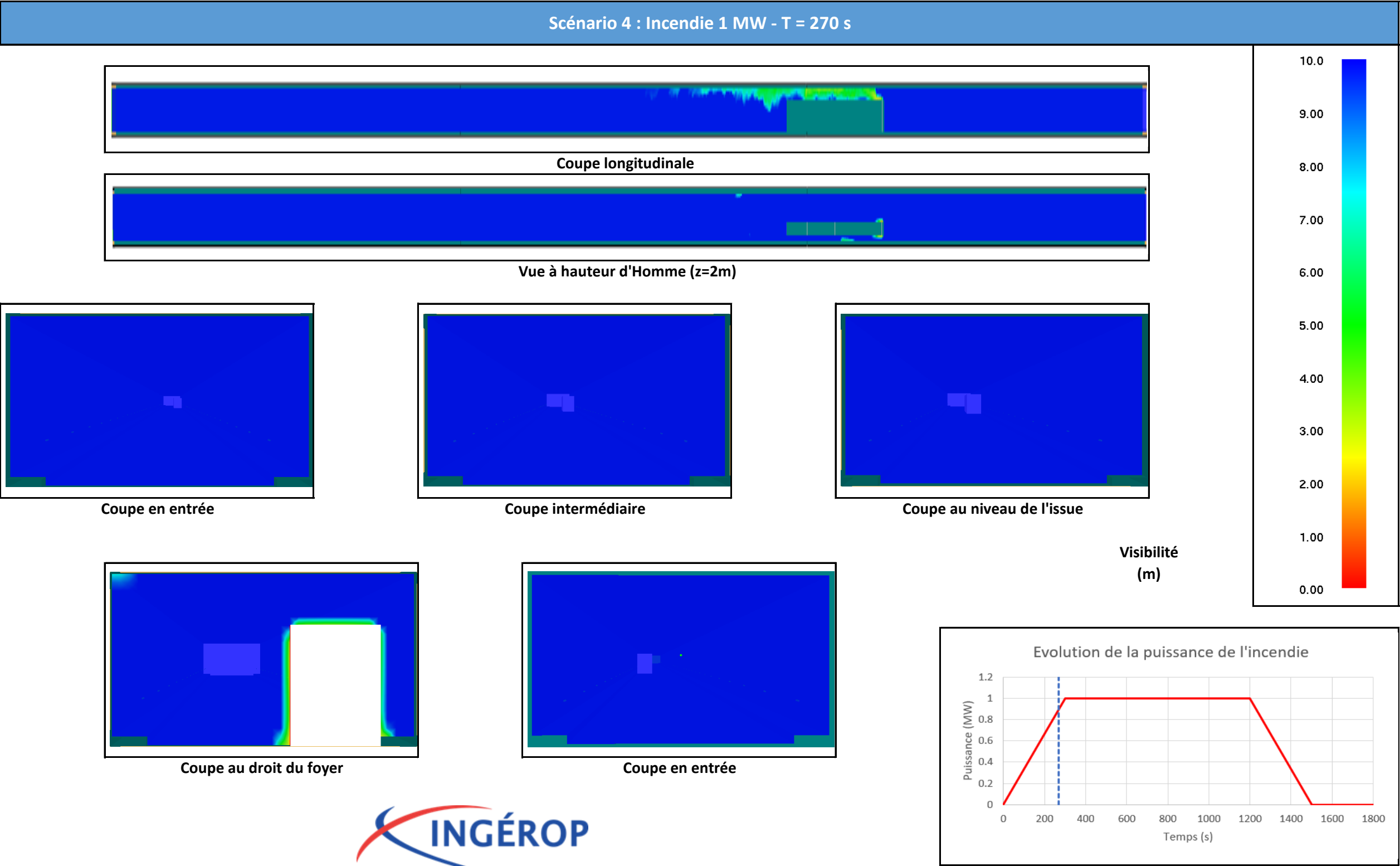
Coupe en entrée



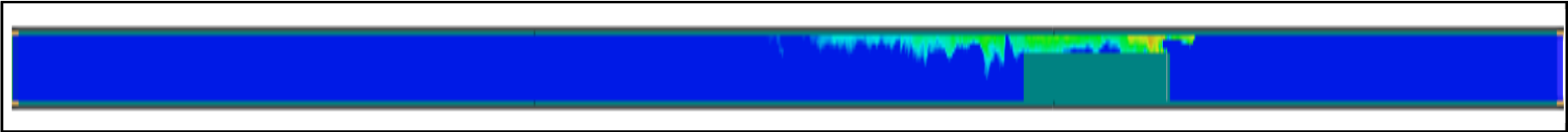
Visibilité (m)







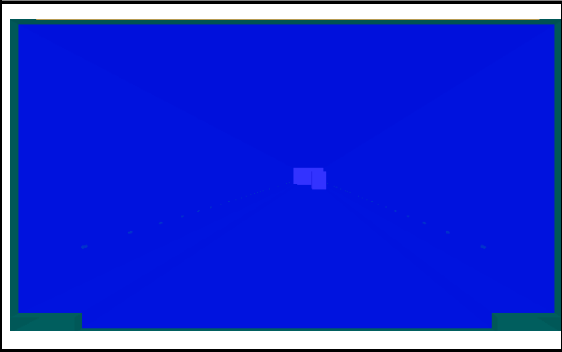
Scénario 4 : Incendie 1 MW - T = 300 s



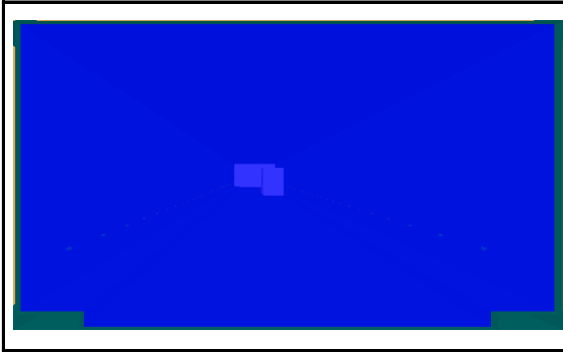
Coupe longitudinale



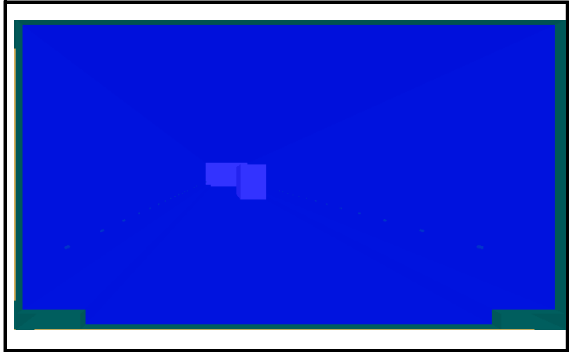
Vue à hauteur d'Homme (z=2m)



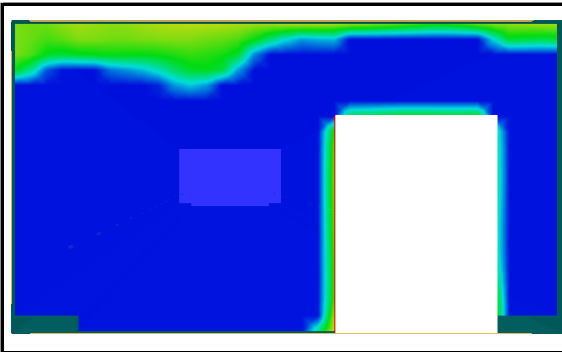
Coupe en entrée



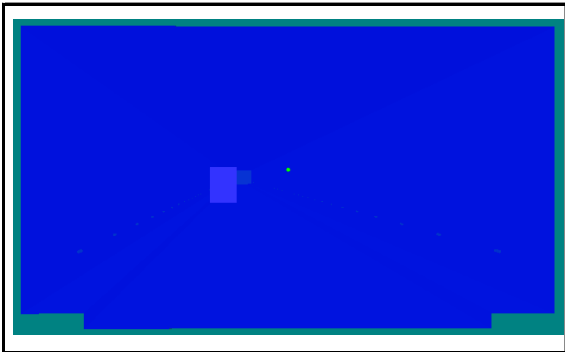
Coupe intermédiaire



Coupe au niveau de l'issue

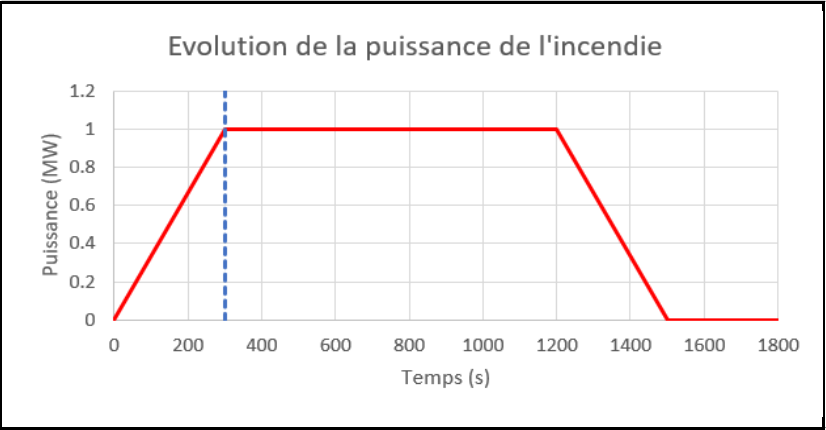
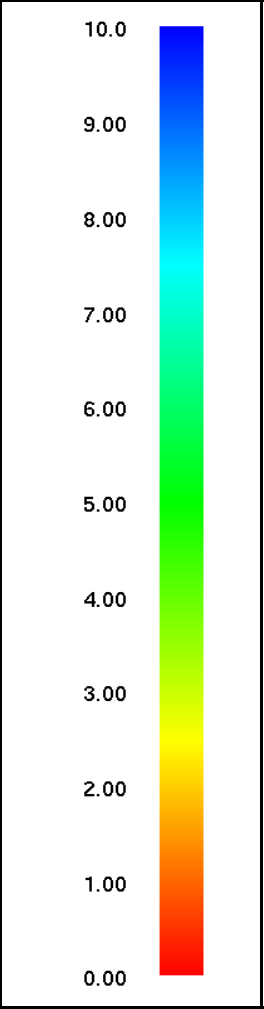


Coupe au droit du foyer

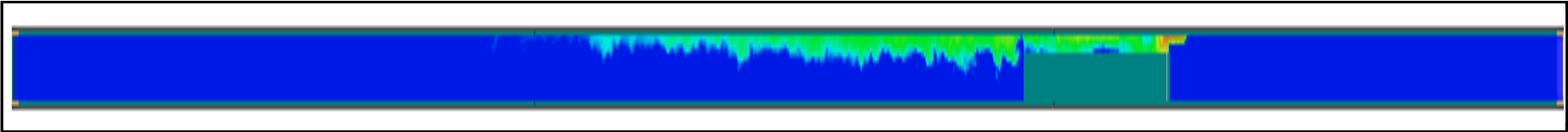


Coupe en entrée

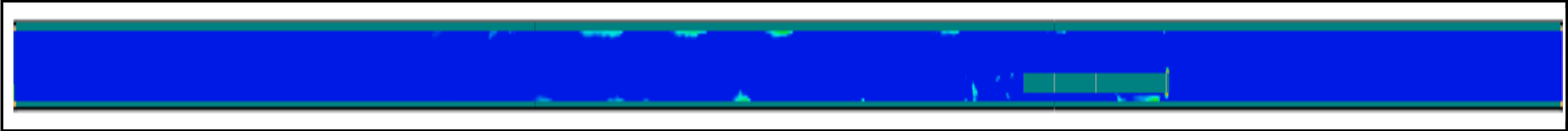
Visibilité  
(m)



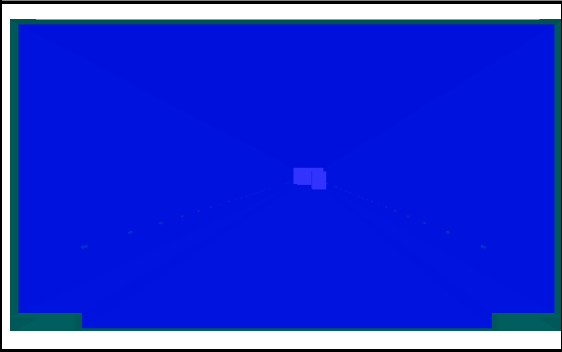
Scénario 4 : Incendie 1 MW - T = 420 s



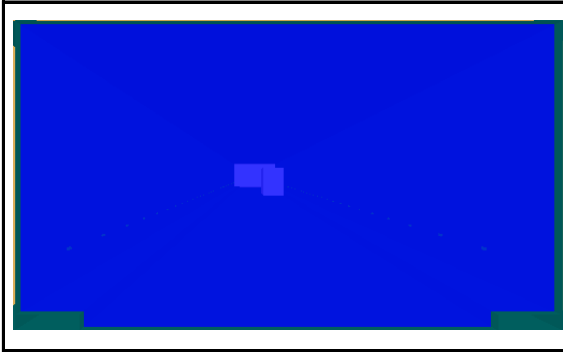
Coupe longitudinale



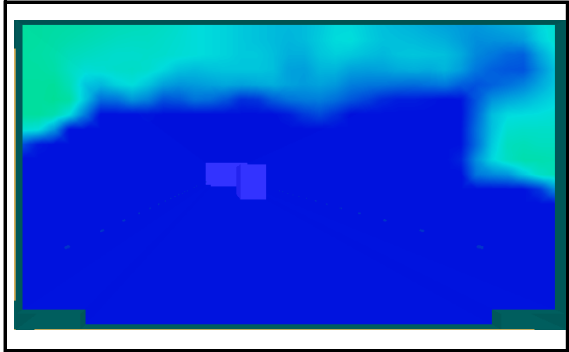
Vue à hauteur d'Homme (z=2m)



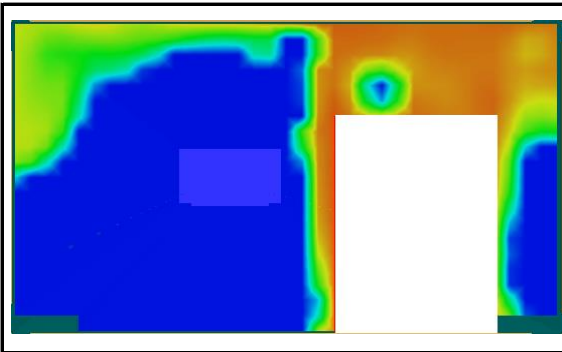
Coupe en entrée



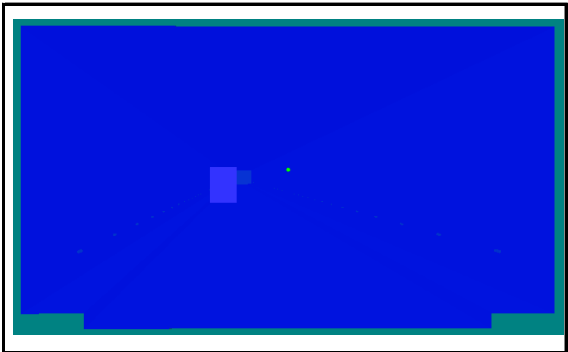
Coupe intermédiaire



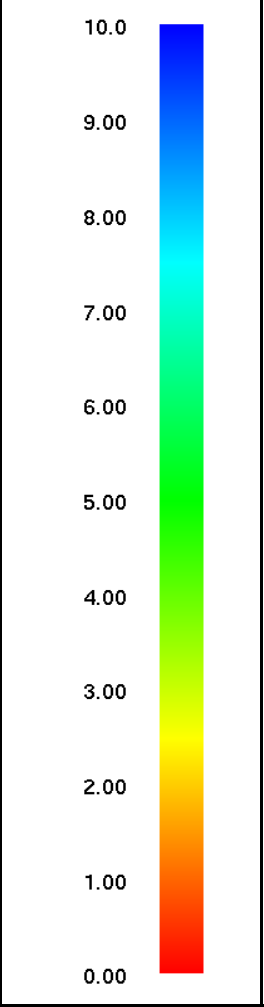
Coupe au niveau de l'issue



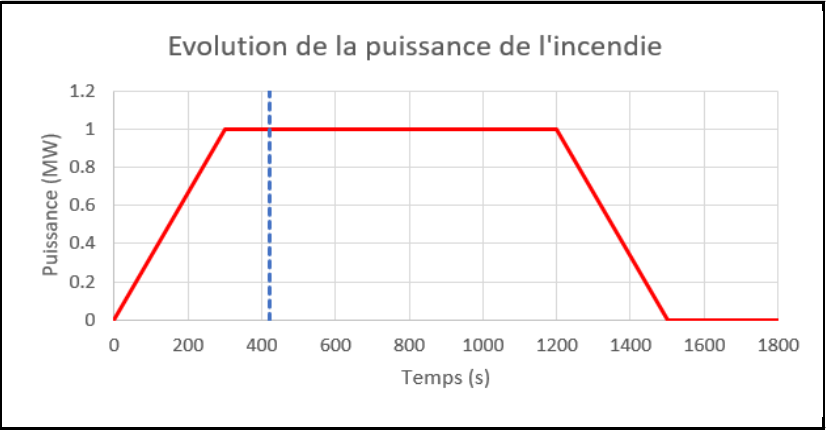
Coupe au droit du foyer



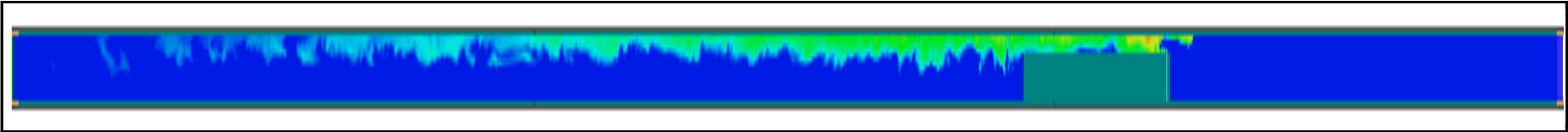
Coupe en entrée



Visibilité  
(m)



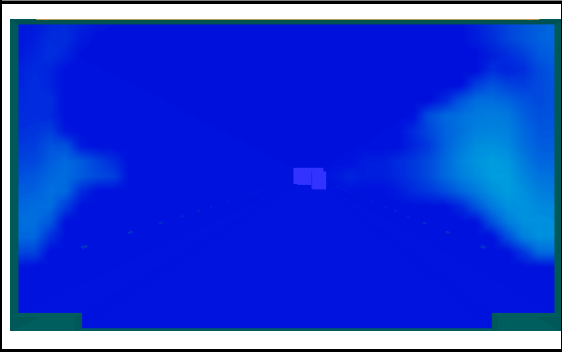
Scénario 4 : Incendie 1 MW - T = 600 s



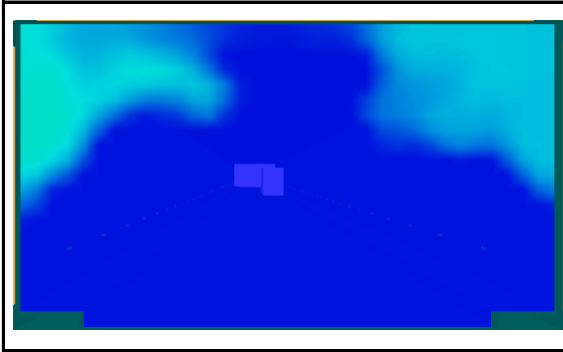
Coupe longitudinale



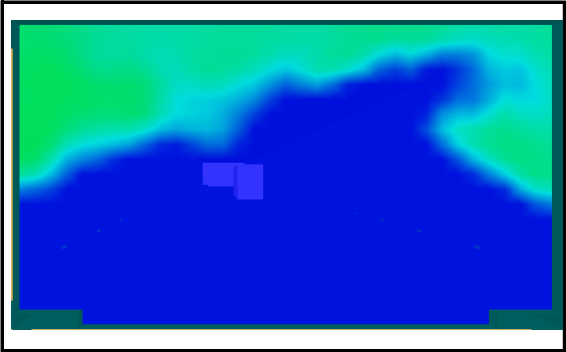
Vue à hauteur d'Homme (z=2m)



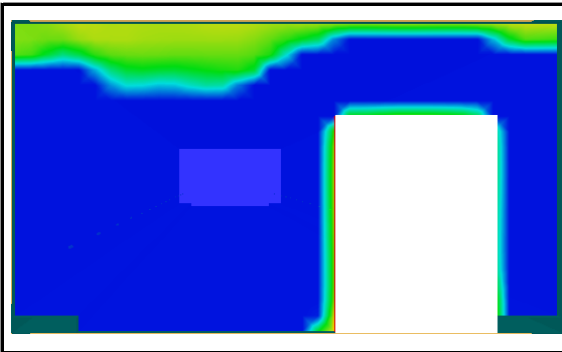
Coupe en entrée



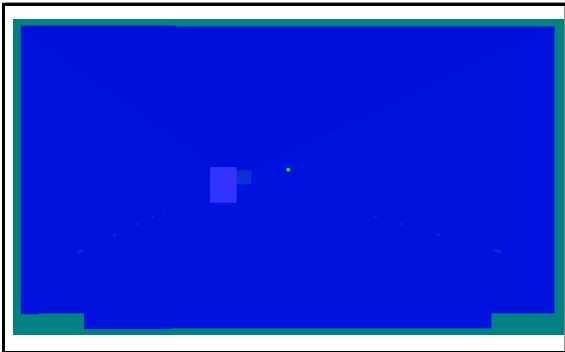
Coupe intermédiaire



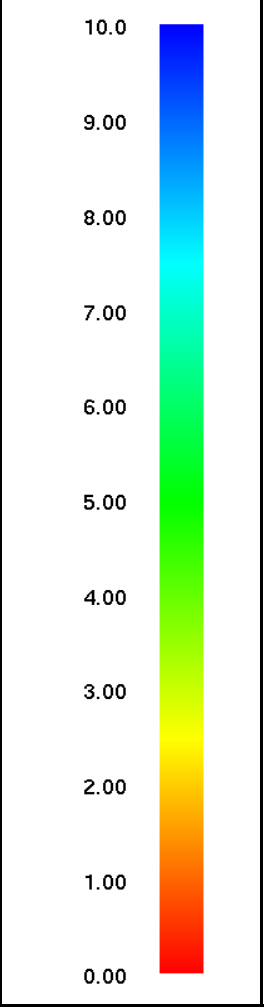
Coupe au niveau de l'issue



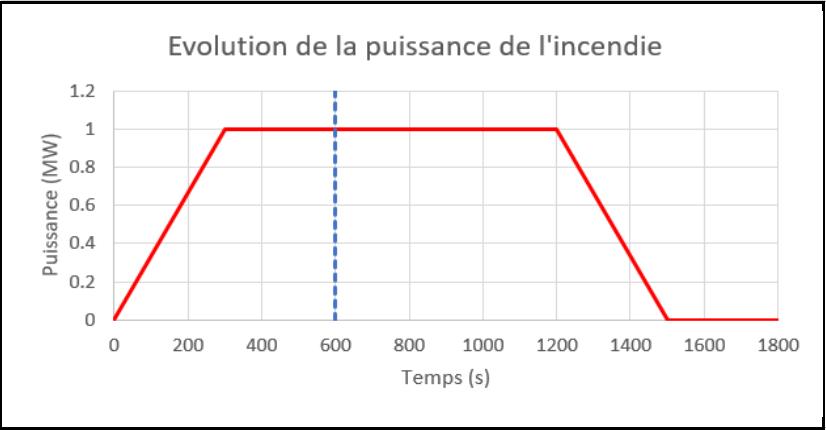
Coupe au droit du foyer



Coupe en entrée

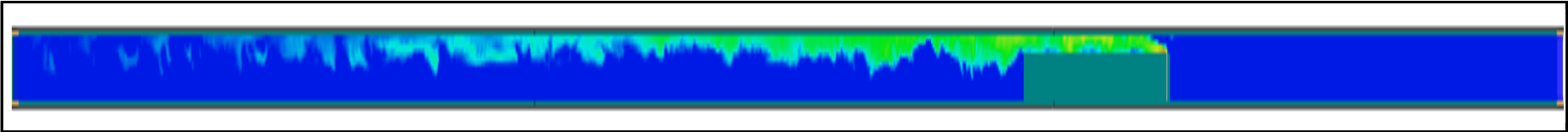


Visibilité  
(m)





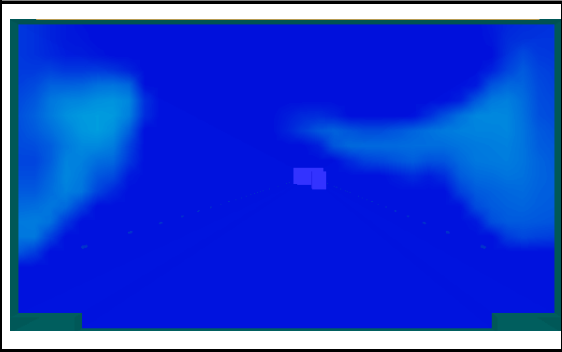
Scénario 4 : Incendie 1 MW - T = 900 s



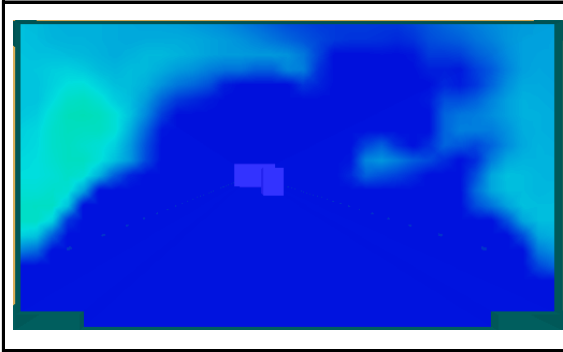
Coupe longitudinale



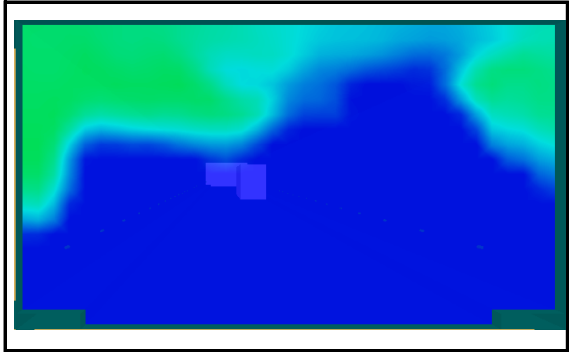
Vue à hauteur d'Homme (z=2m)



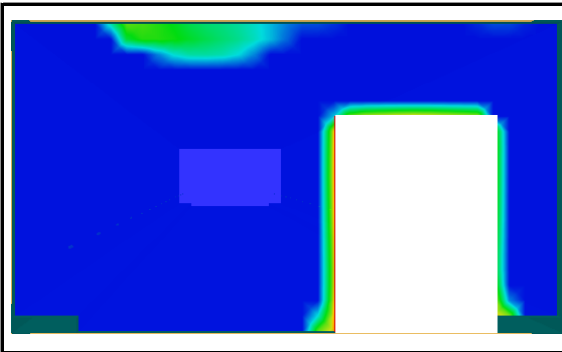
Coupe en entrée



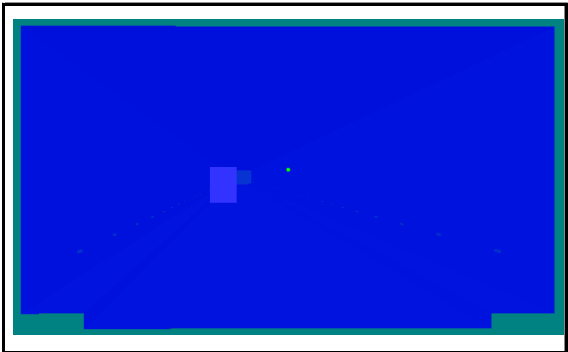
Coupe intermédiaire



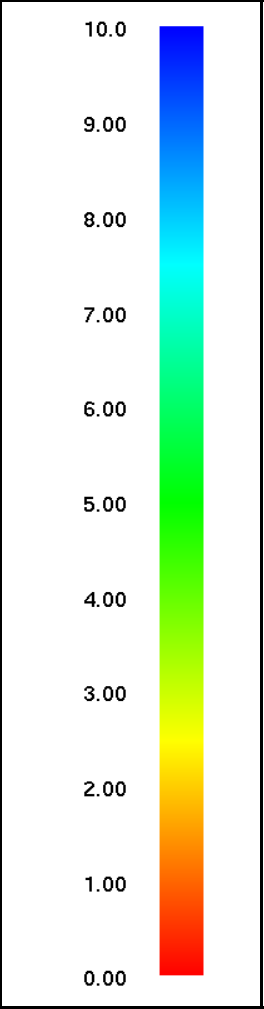
Coupe au niveau de l'issue



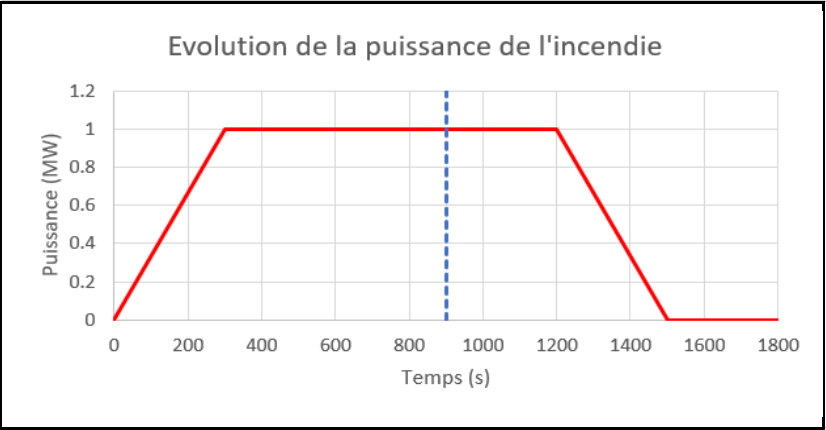
Coupe au droit du foyer



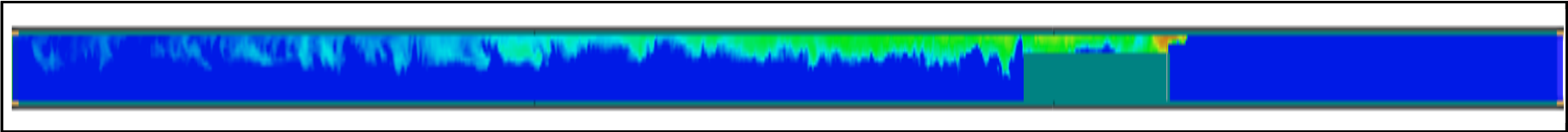
Coupe en entrée



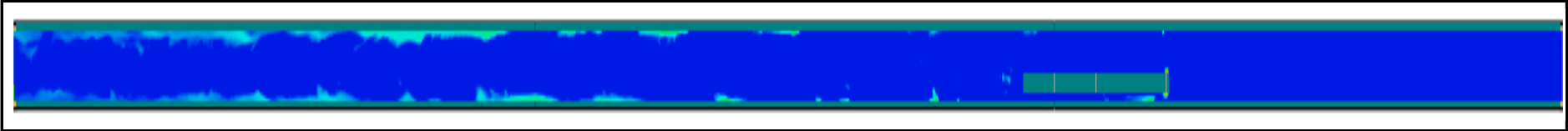
Visibilité  
(m)



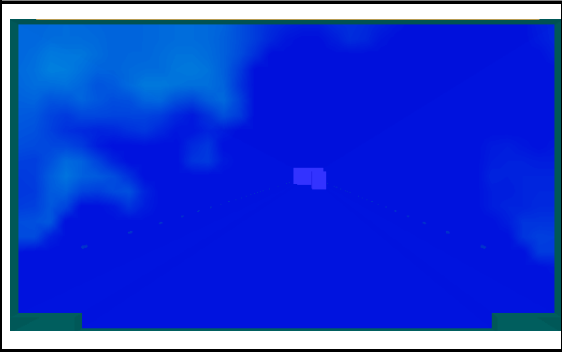
Scénario 4 : Incendie 1 MW - T = 1200 s



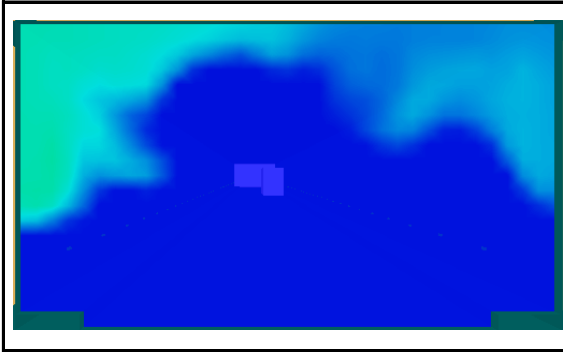
Coupe longitudinale



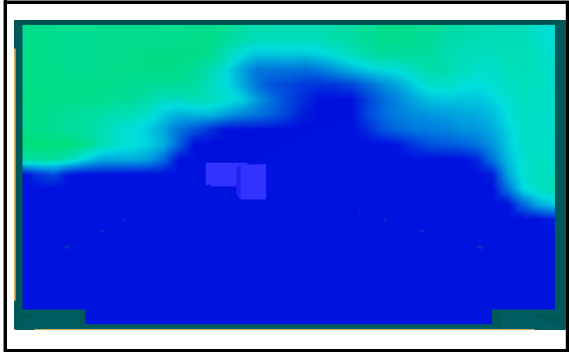
Vue à hauteur d'Homme (z=2m)



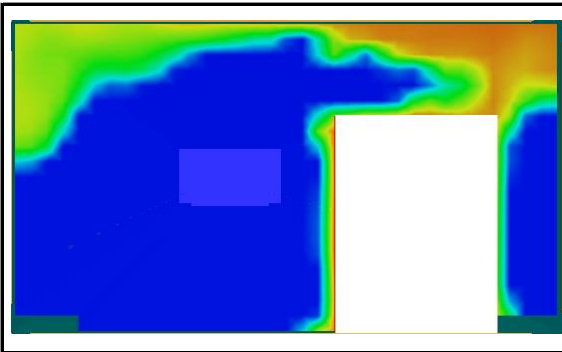
Coupe en entrée



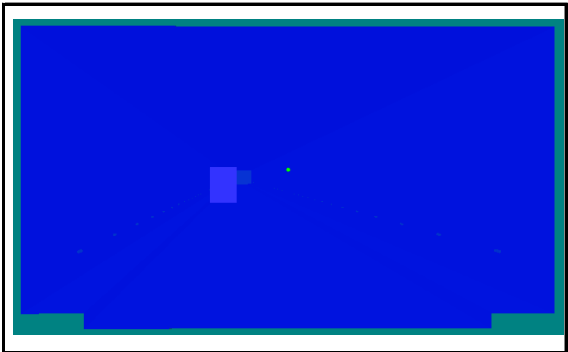
Coupe intermédiaire



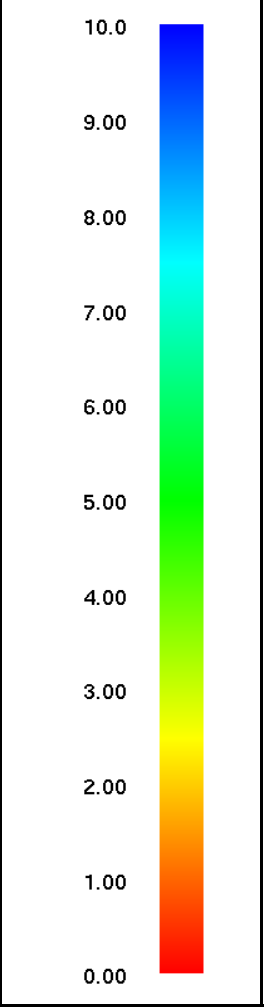
Coupe au niveau de l'issue



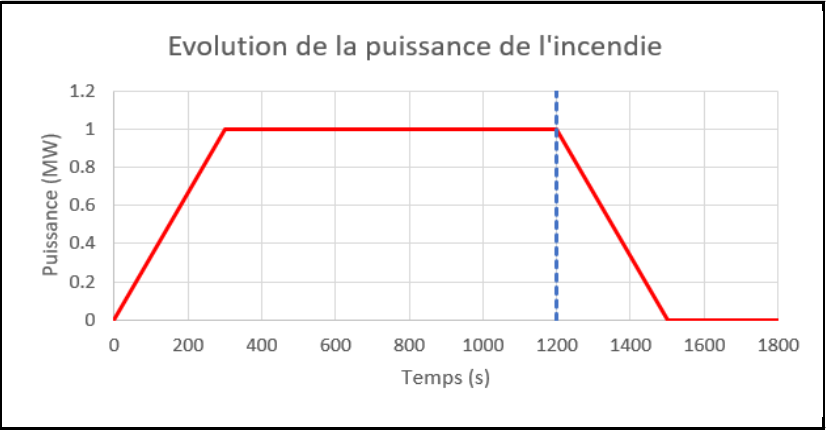
Coupe au droit du foyer



Coupe en entrée



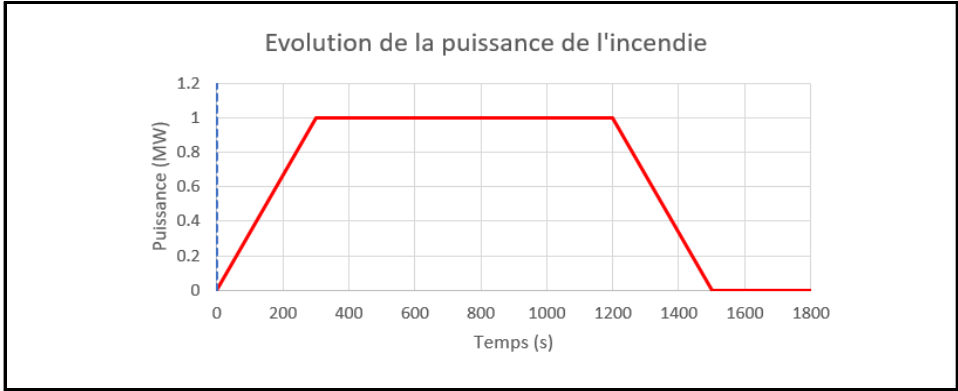
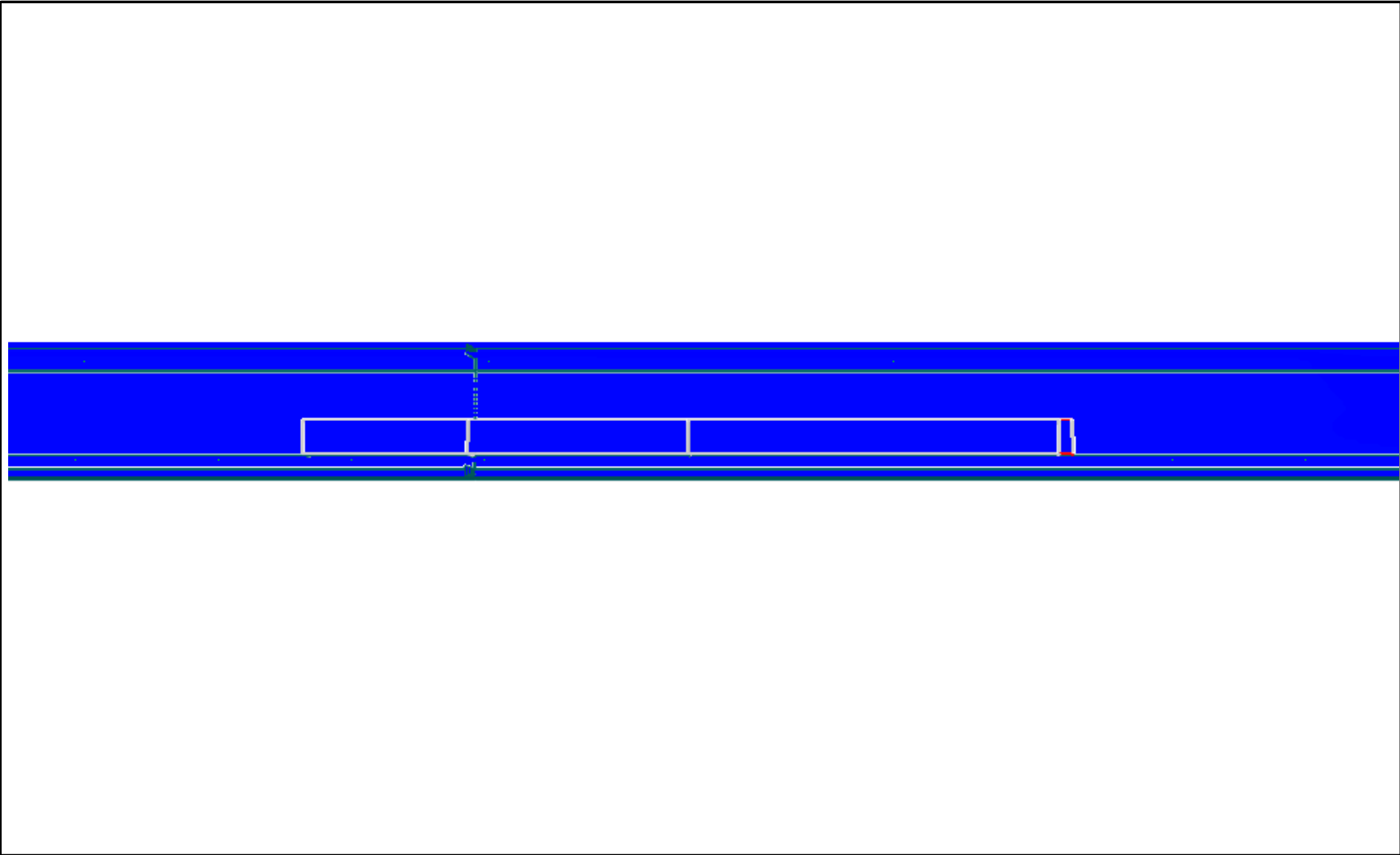
Visibilité  
(m)



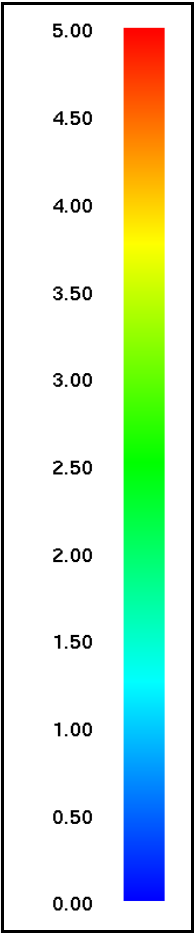
# Rayonnement

Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 0 s

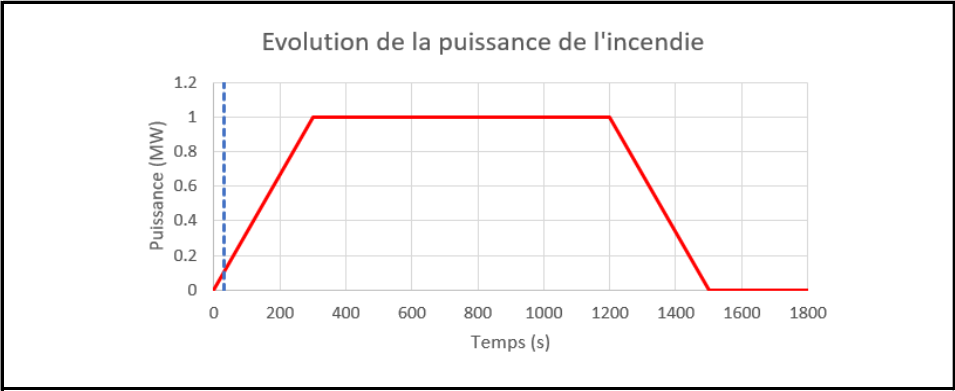
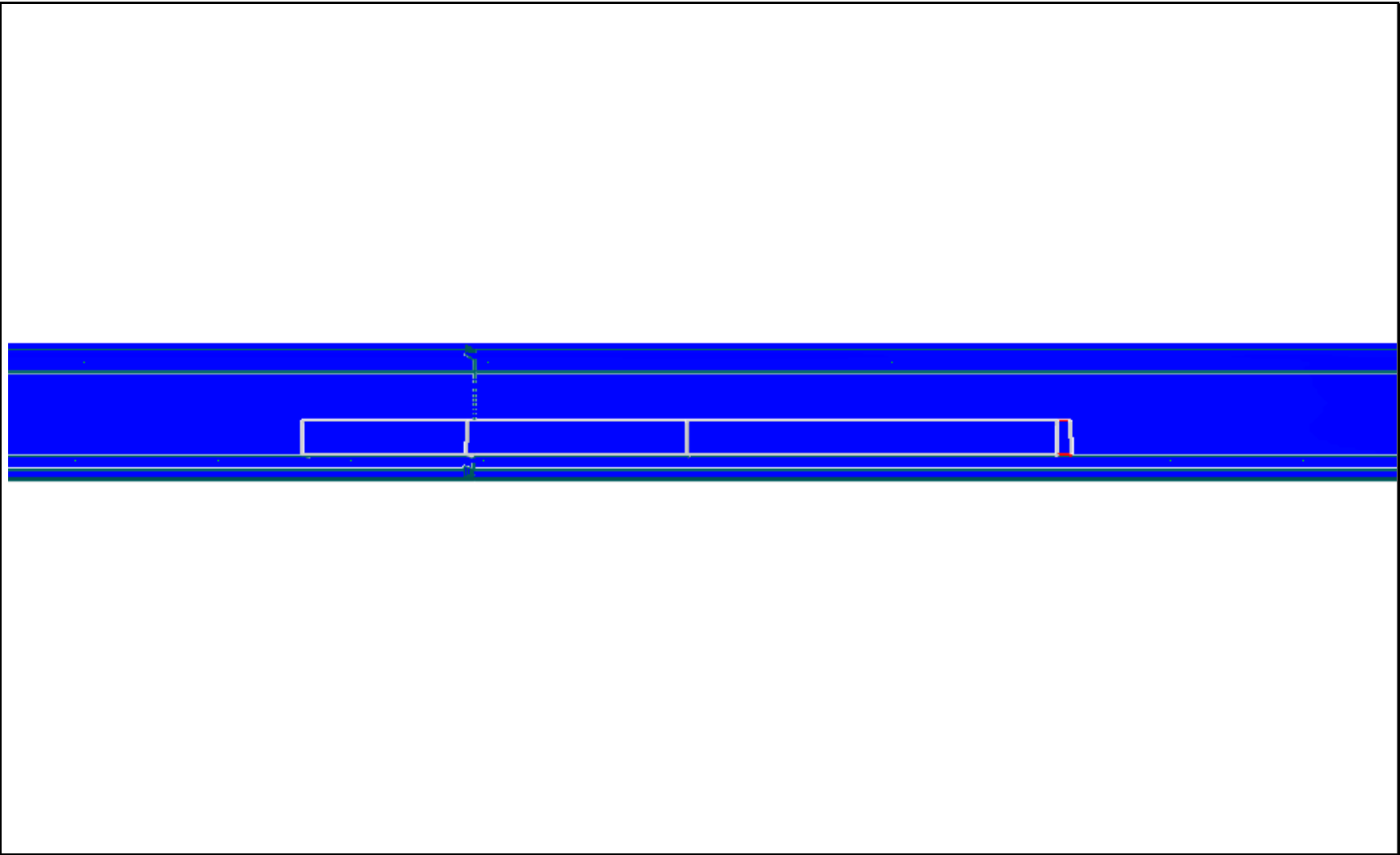


Rayonnement  
(KW/m²)

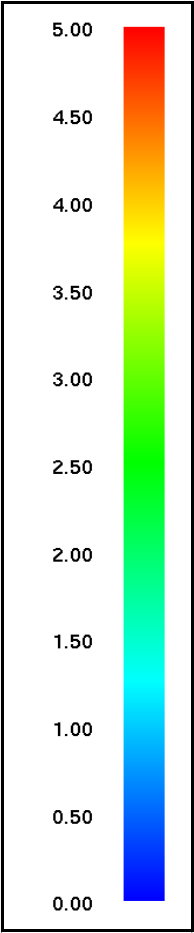


Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 30 s

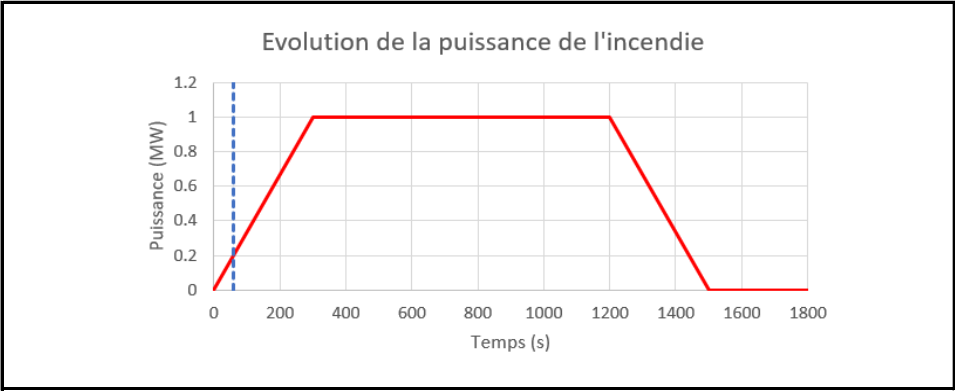
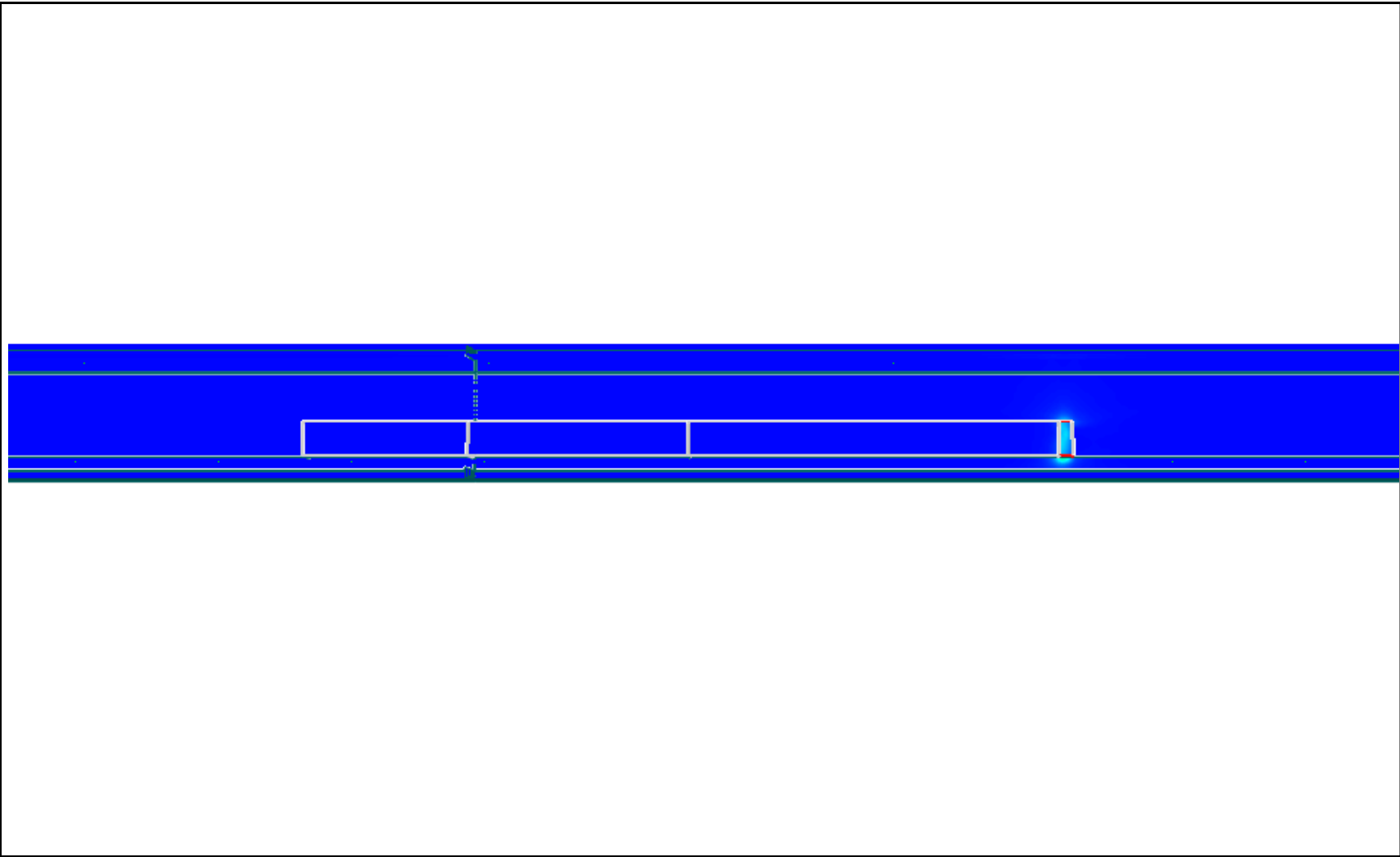


Rayonnement  
(KW/m²)

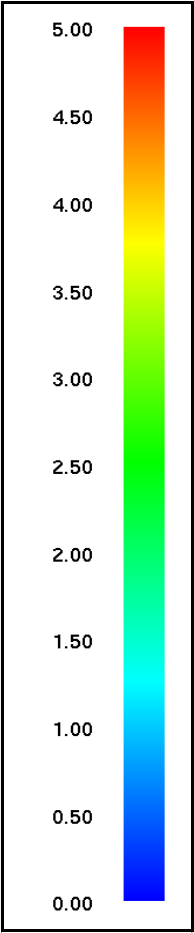


Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 60 s

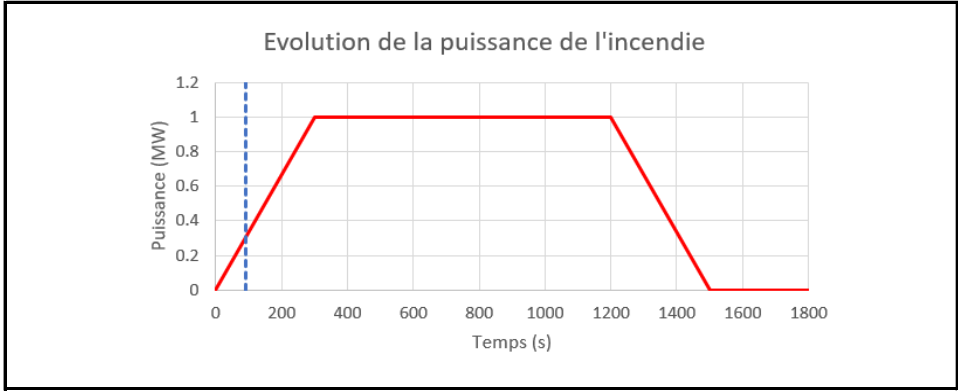
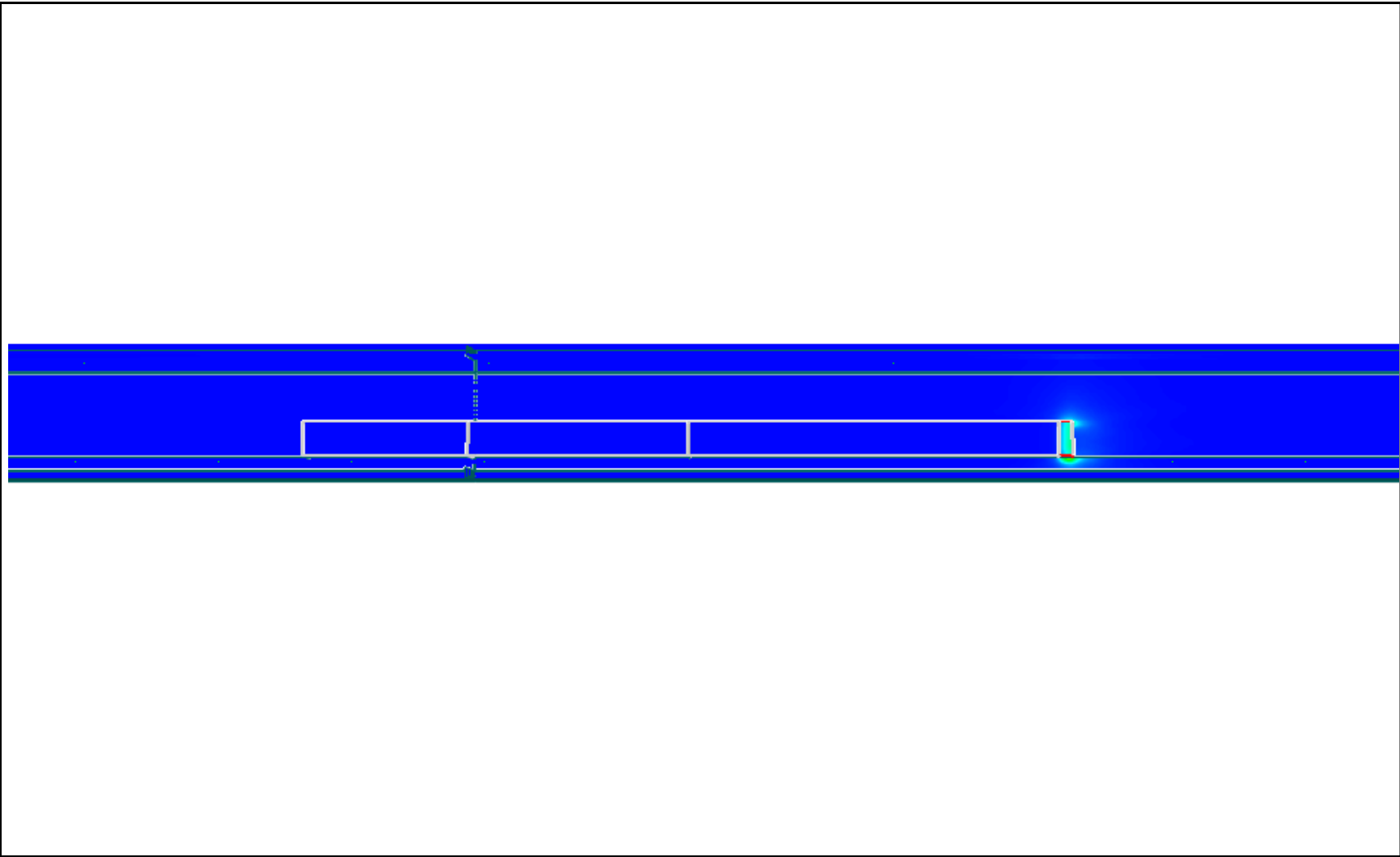


Rayonnement  
(KW/m²)

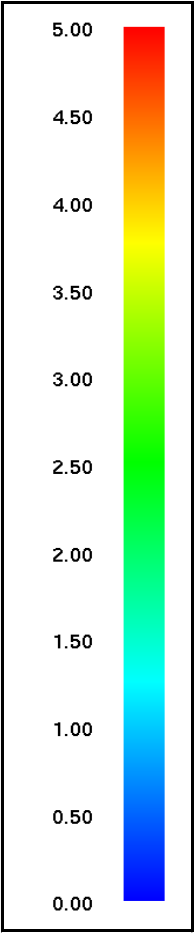


Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 90 s

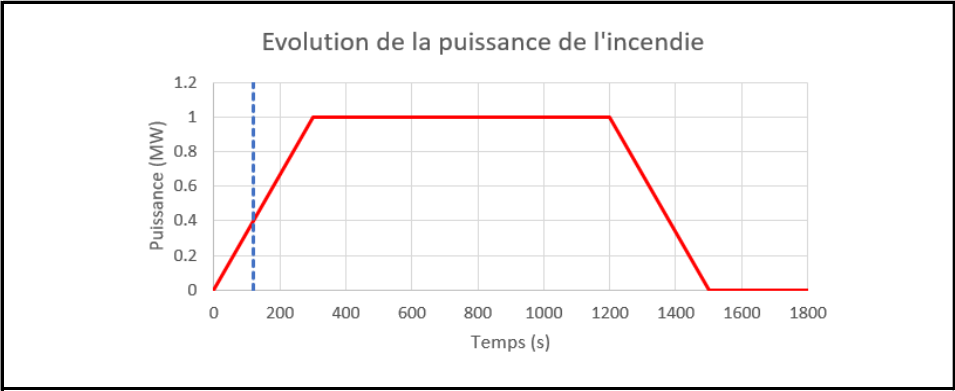
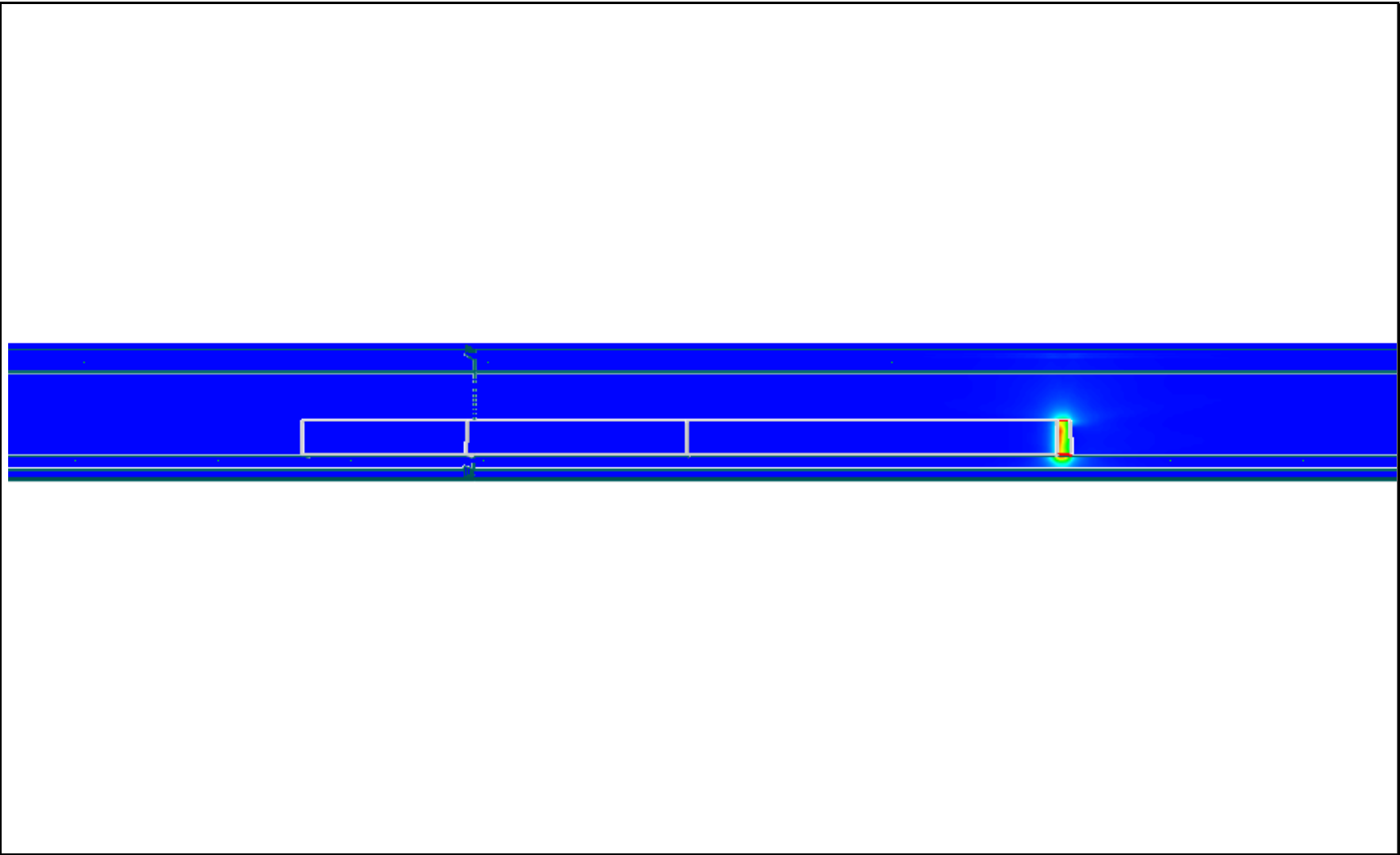


Rayonnement  
(KW/m²)

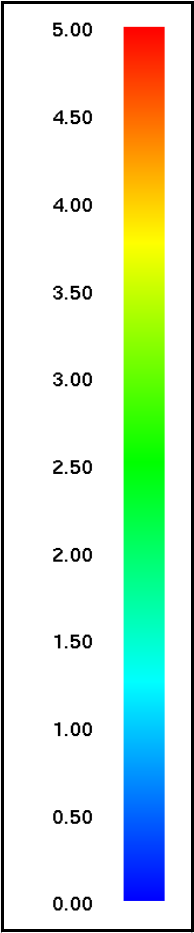


Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 120 s



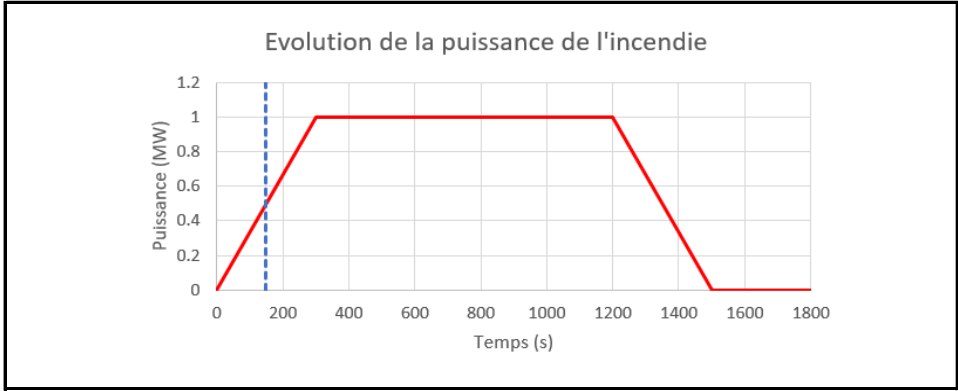
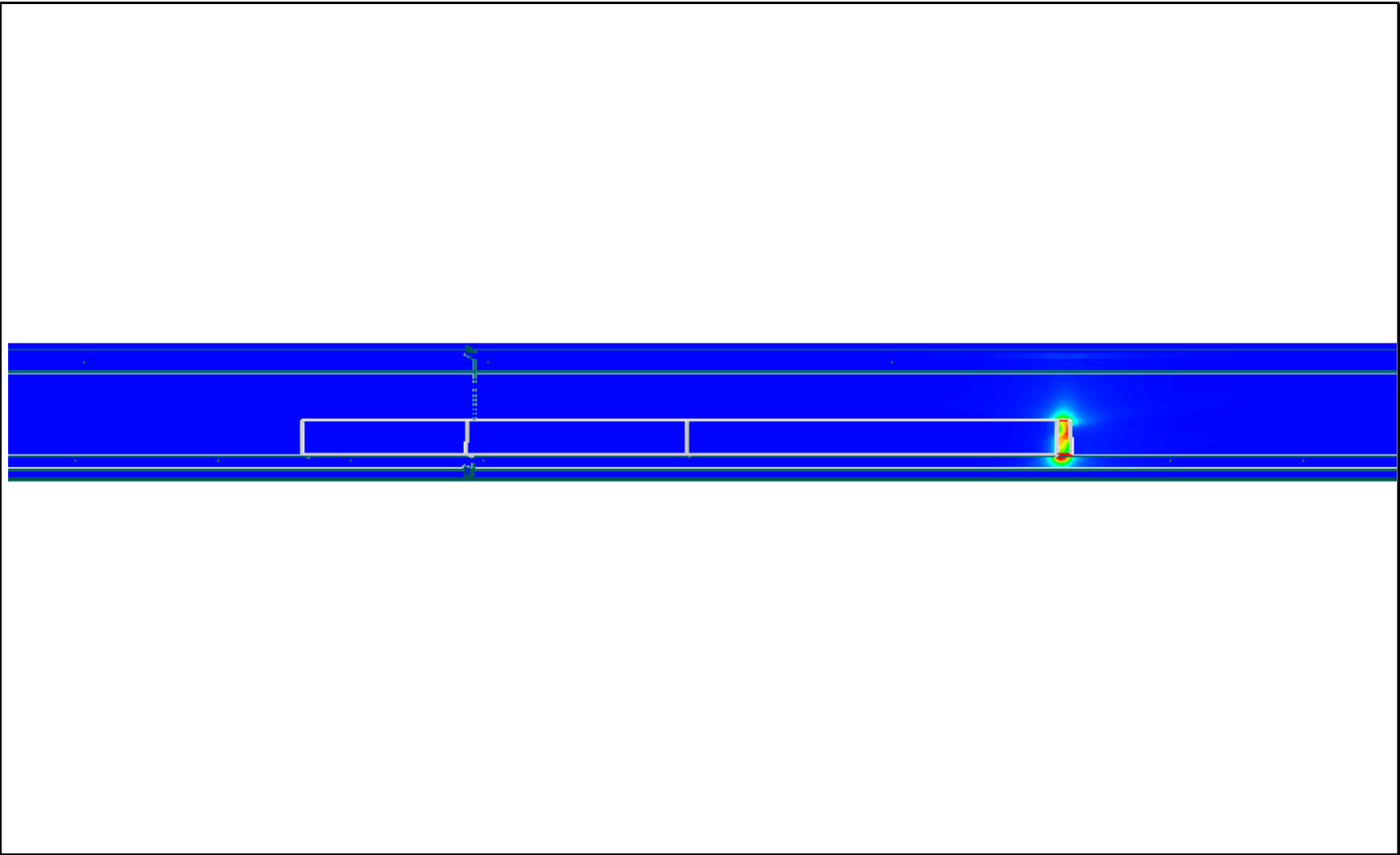
Rayonnement  
(KW/m²)



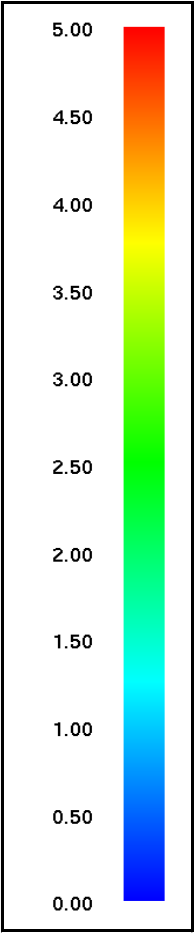
Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)



Scénario 4 : Incendie 1 MW - T = 150 s

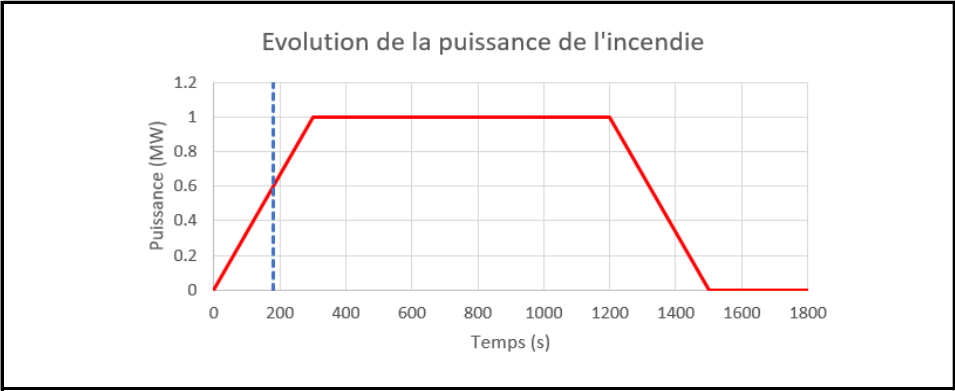
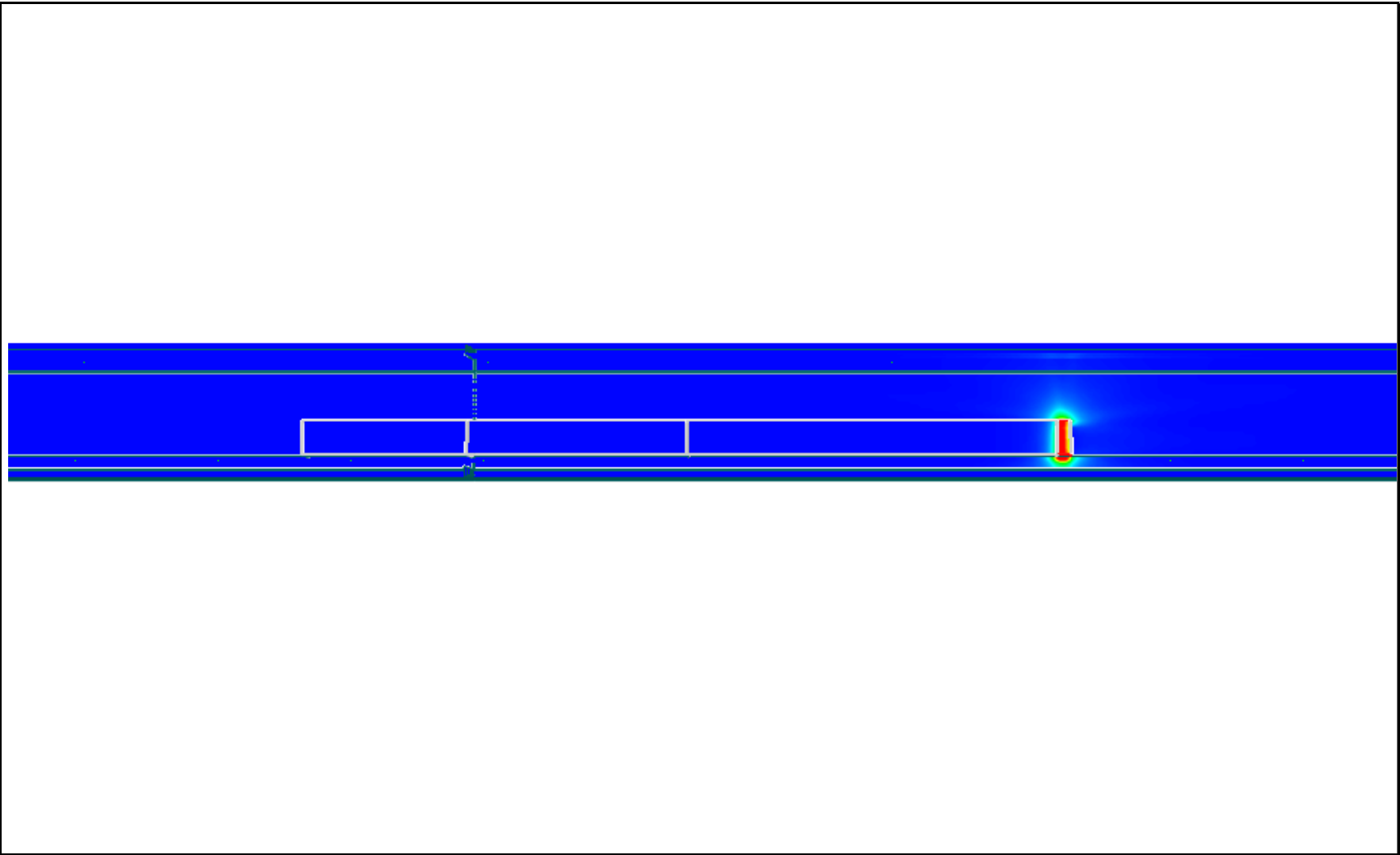


Rayonnement  
(KW/m²)

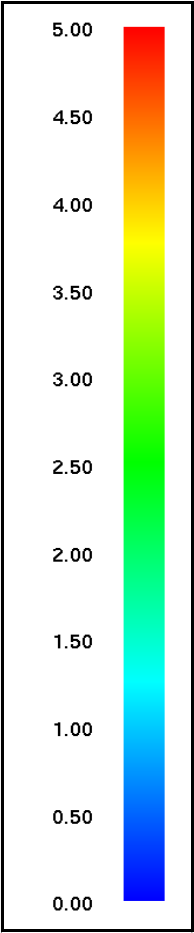


Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 180 s

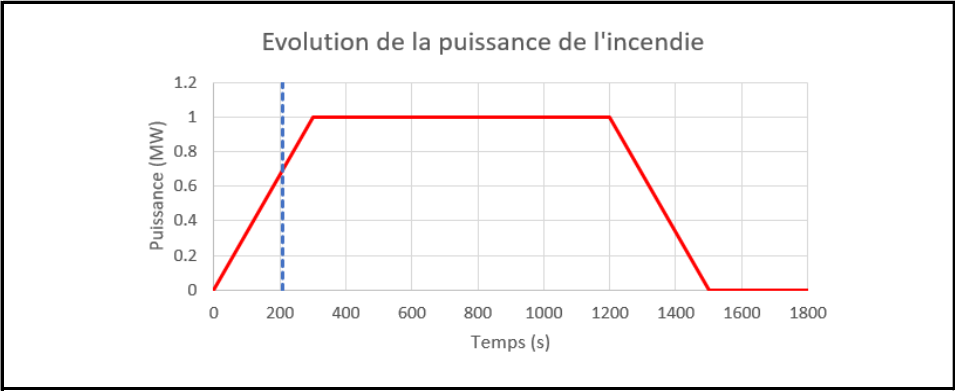
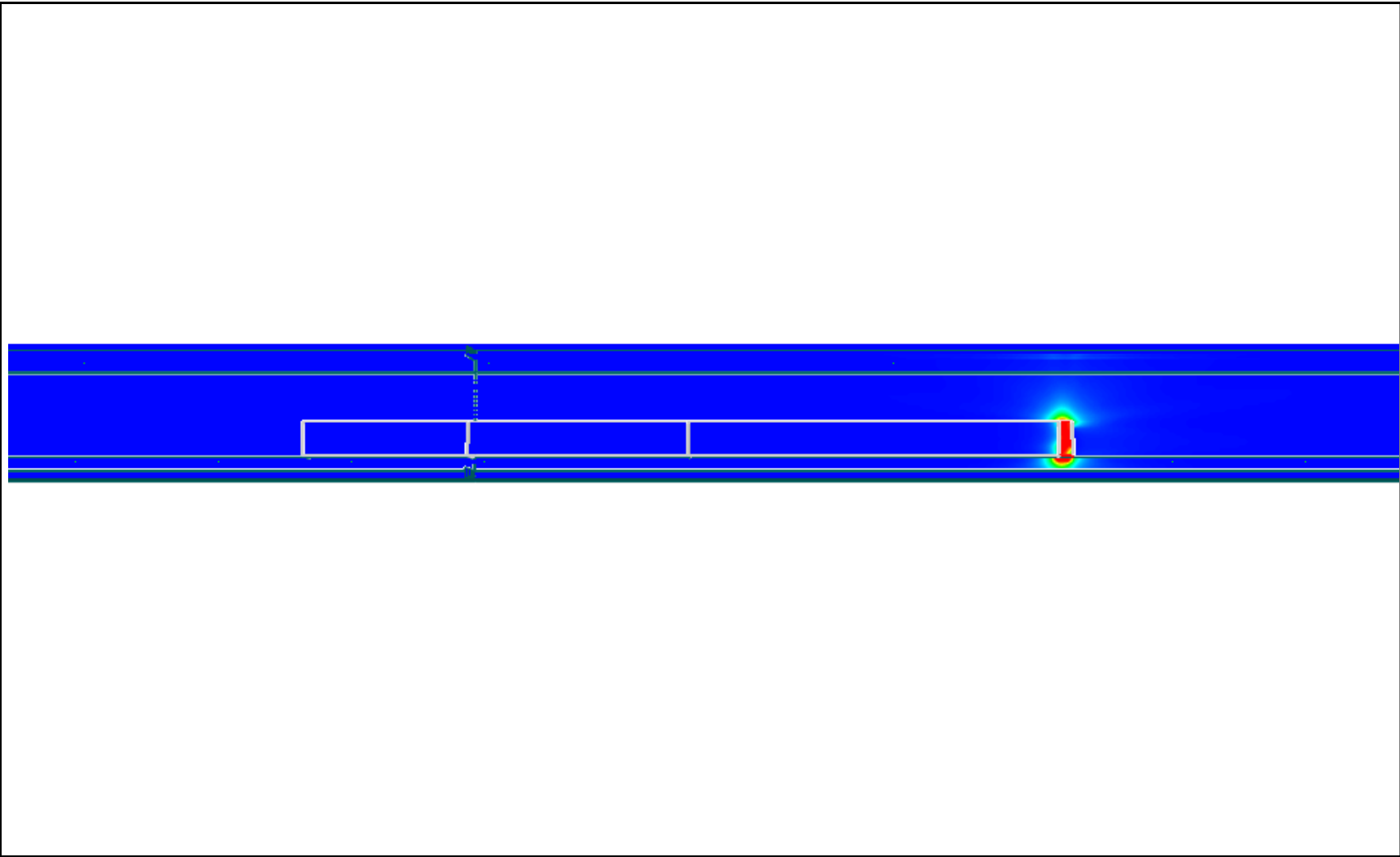


Rayonnement  
(KW/m²)

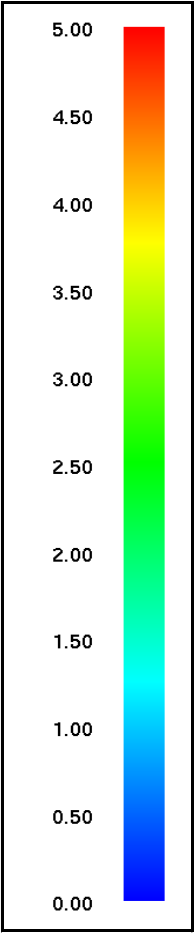


Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 210 s

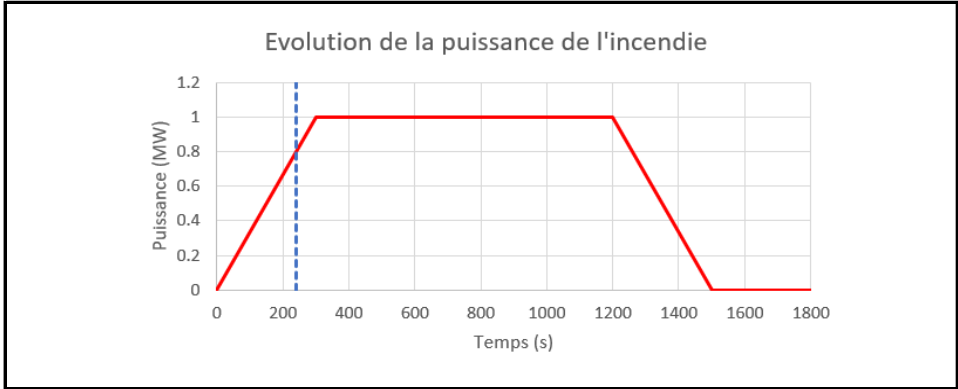
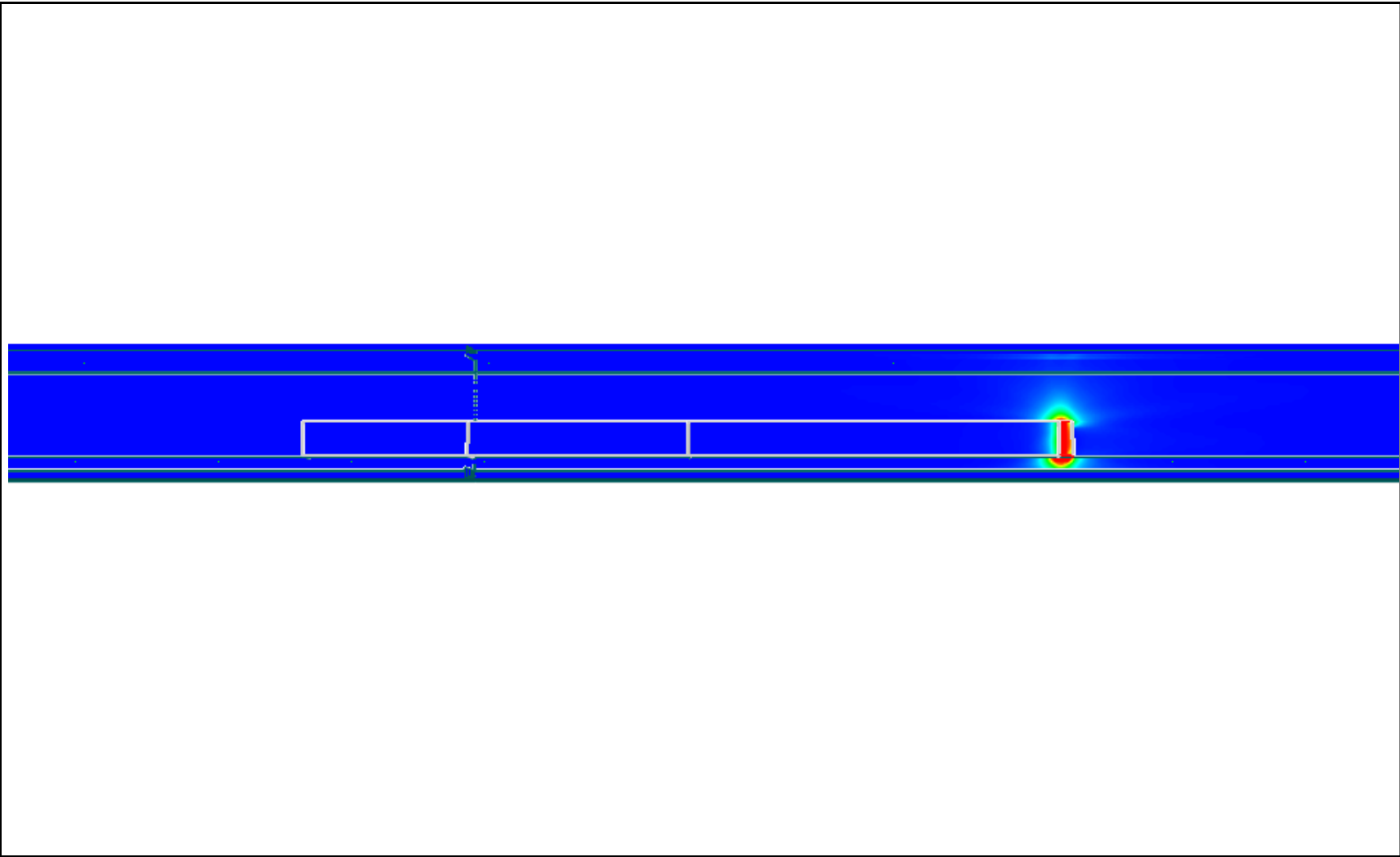


Rayonnement  
(KW/m²)

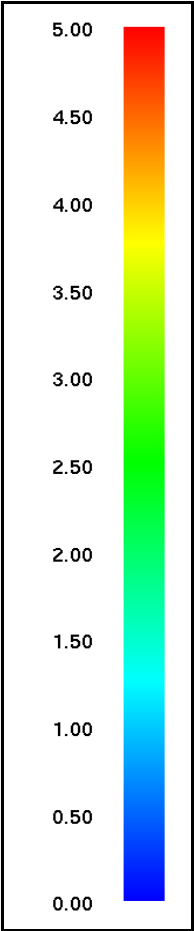


Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 240 s

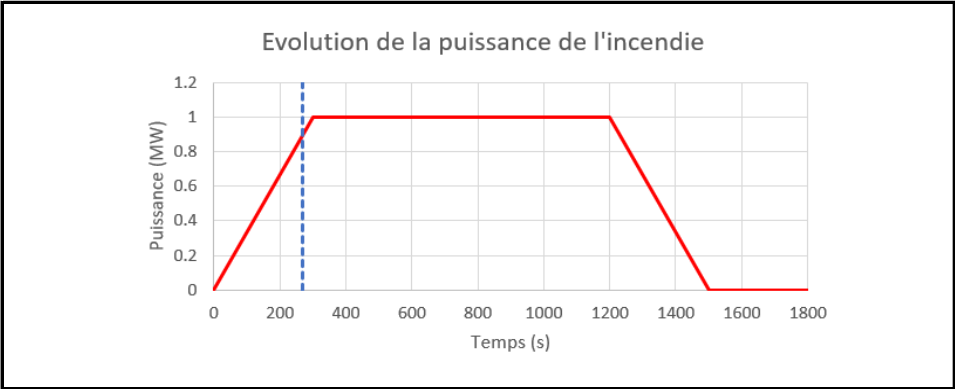
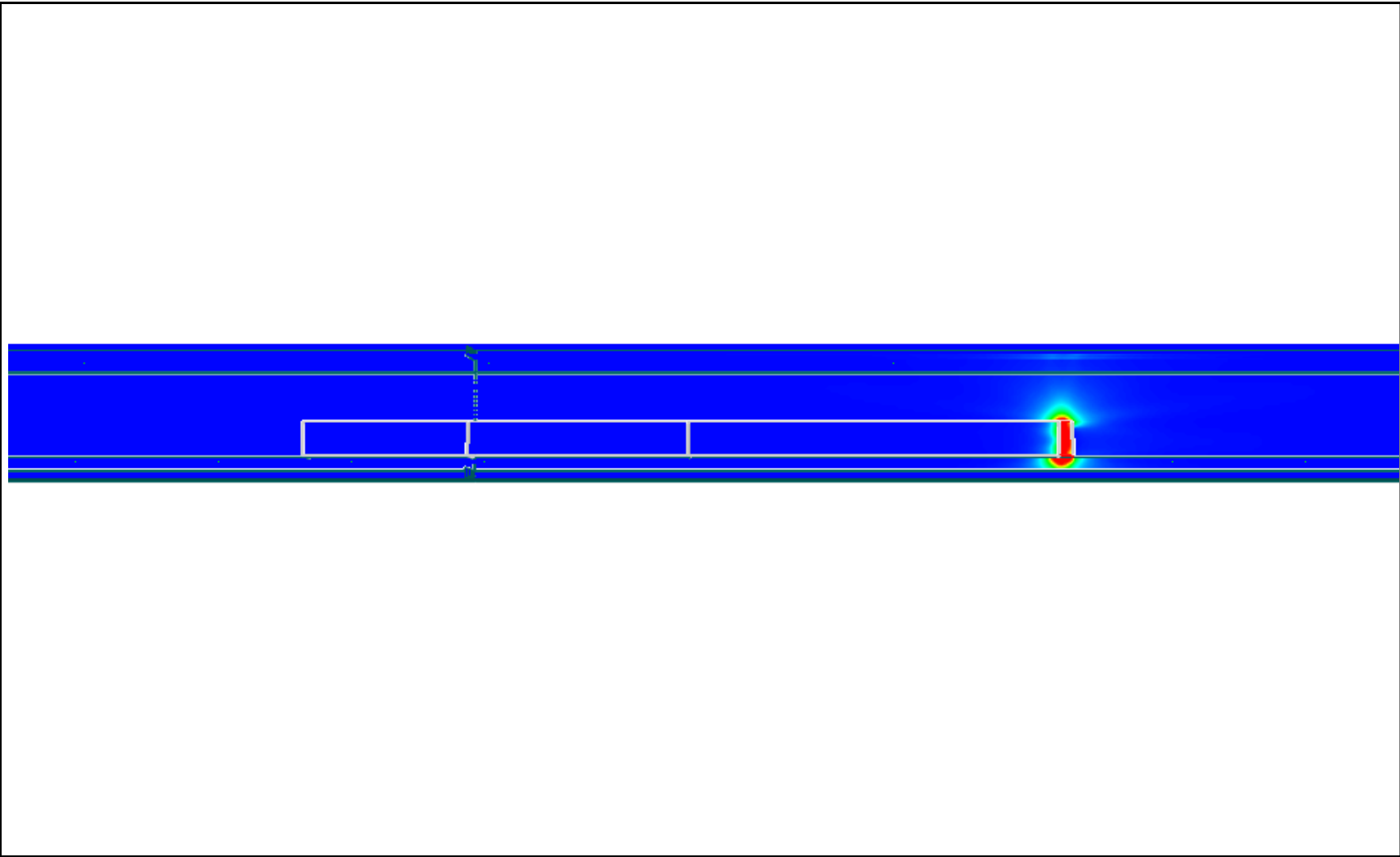


Rayonnement  
(KW/m²)

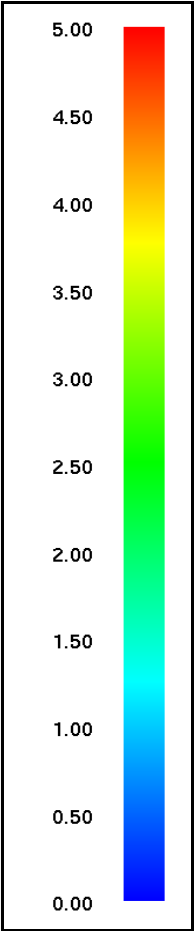


Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 270 s

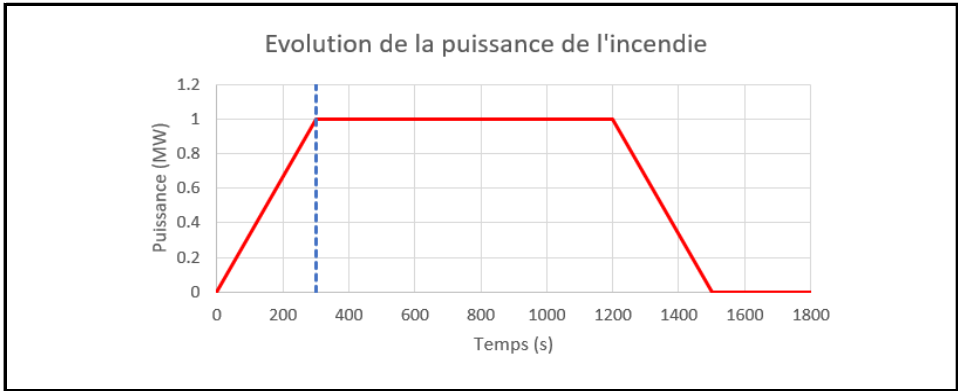
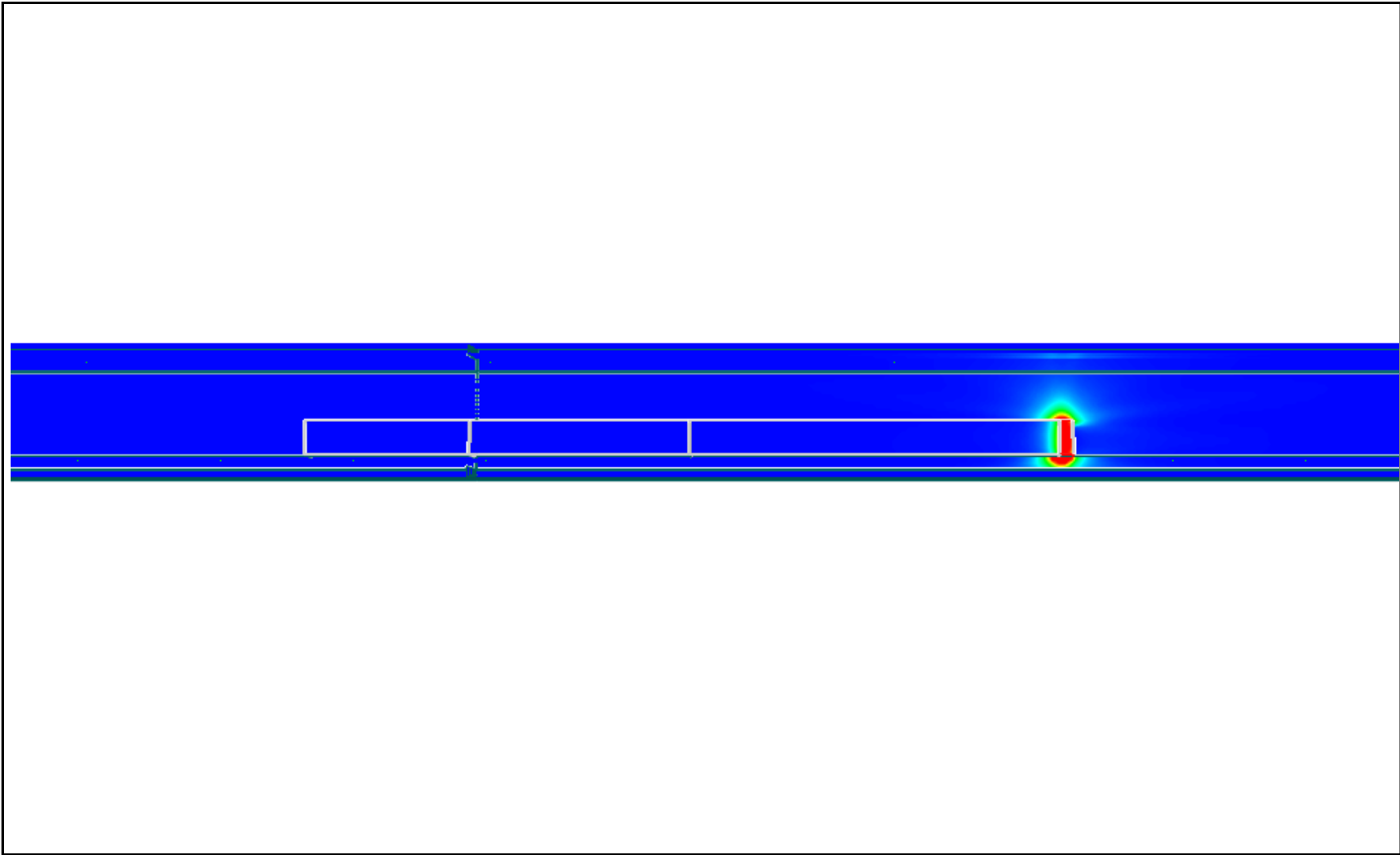


Rayonnement  
(KW/m²)

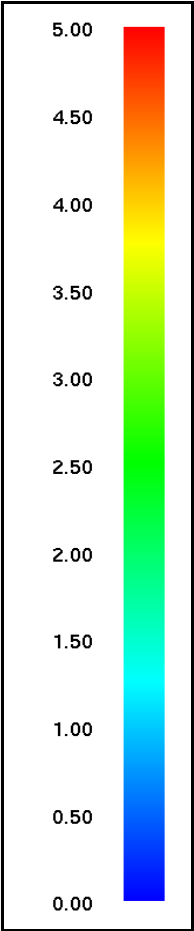


Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 300 s

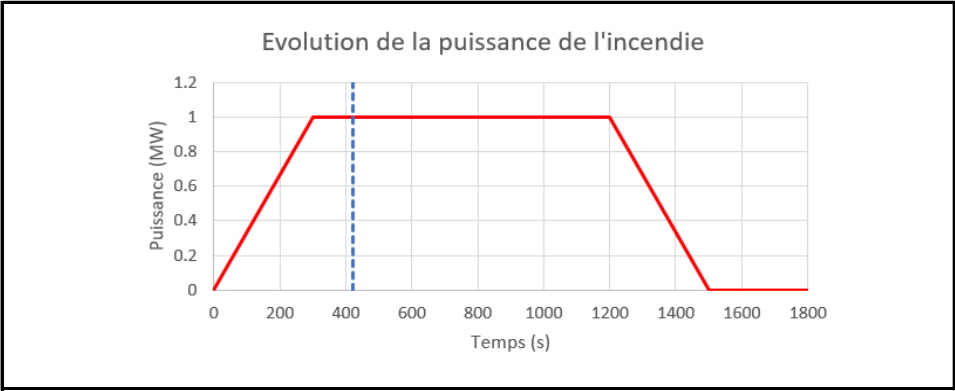
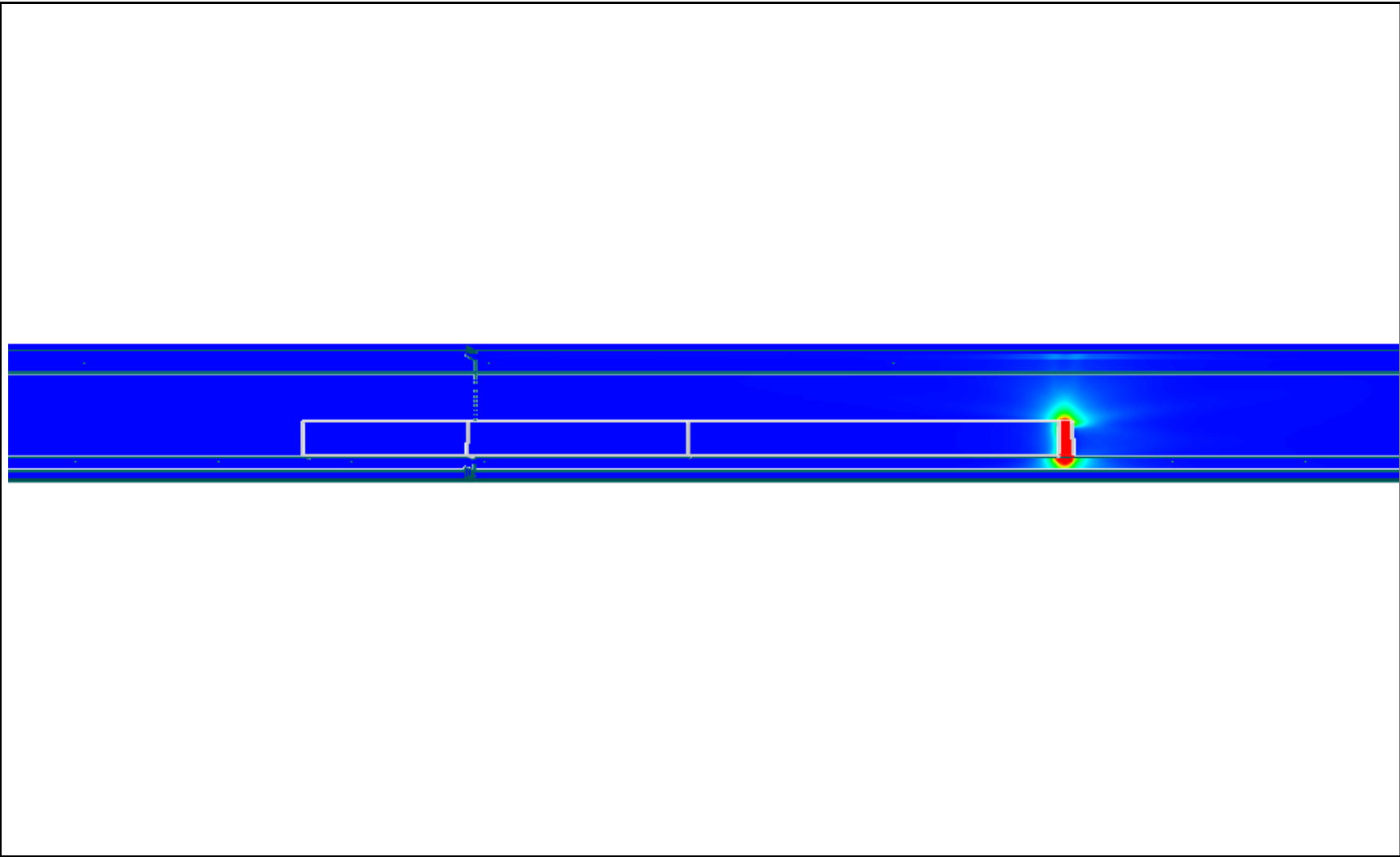


Rayonnement  
(KW/m²)

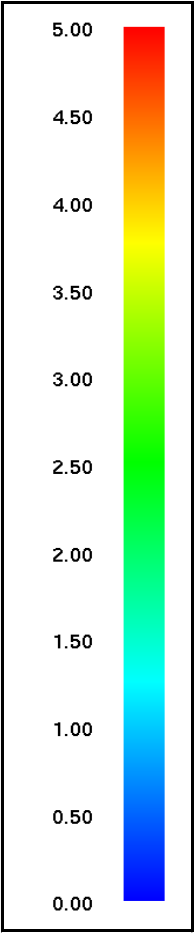


Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 420 s

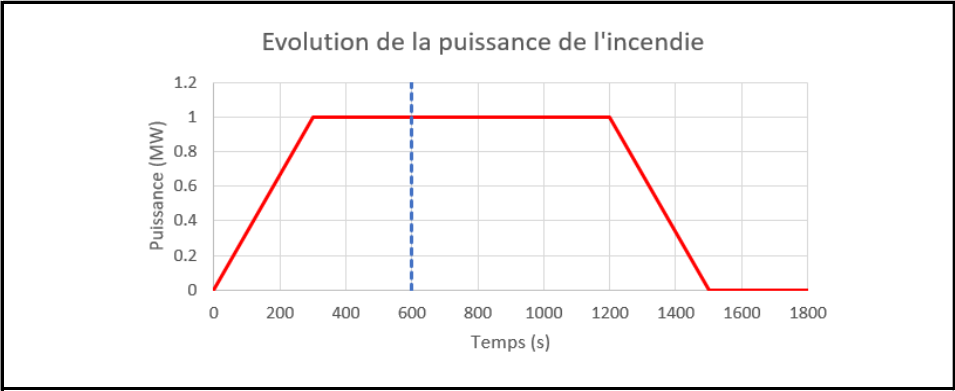
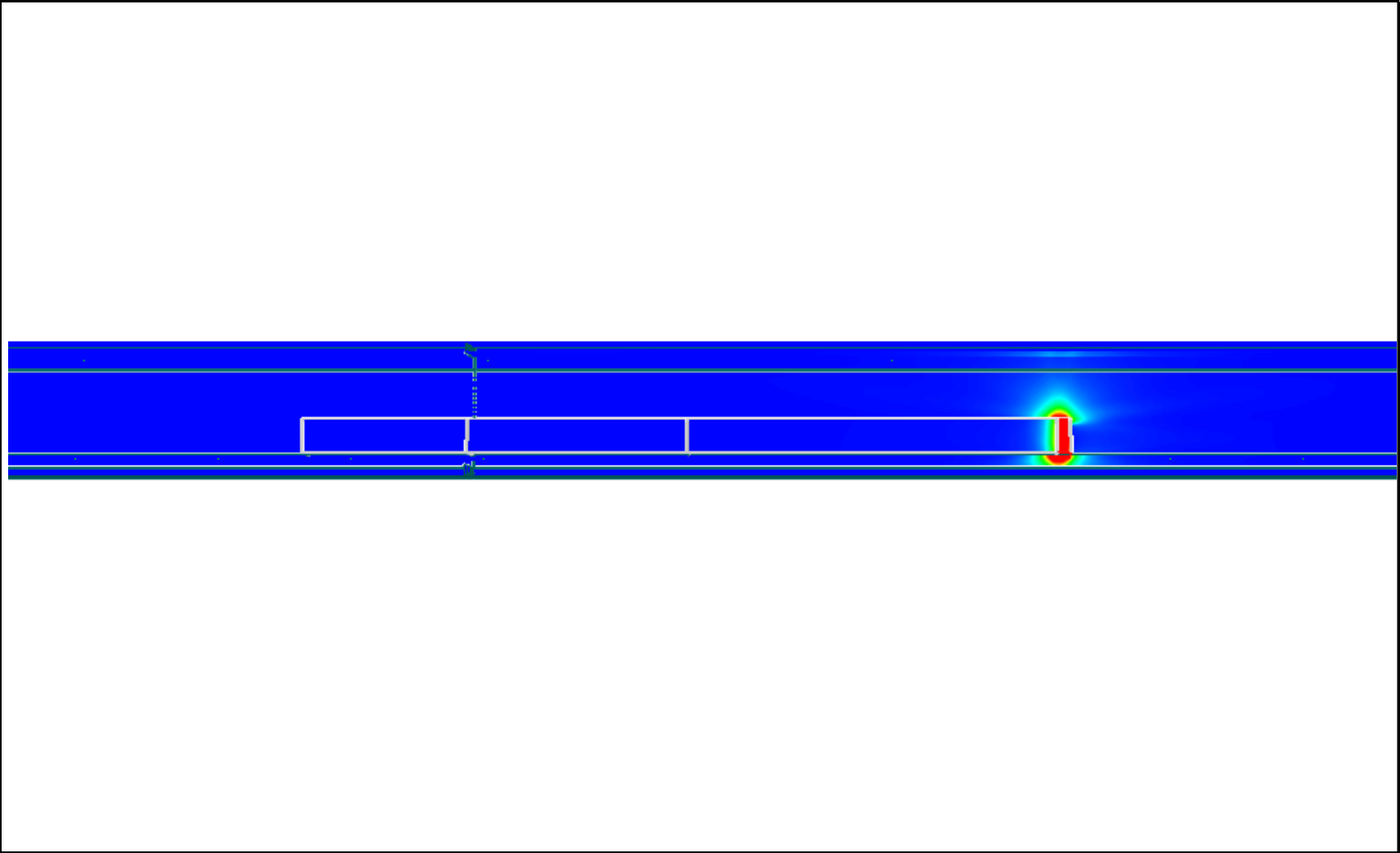


Rayonnement  
(KW/m²)

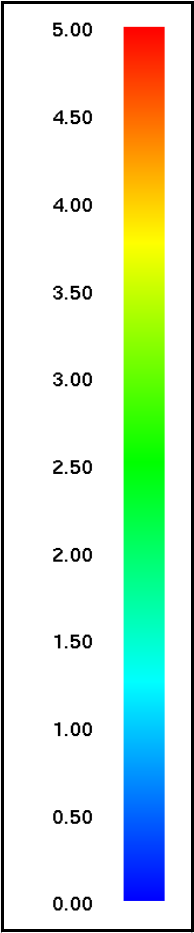


Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 600 s



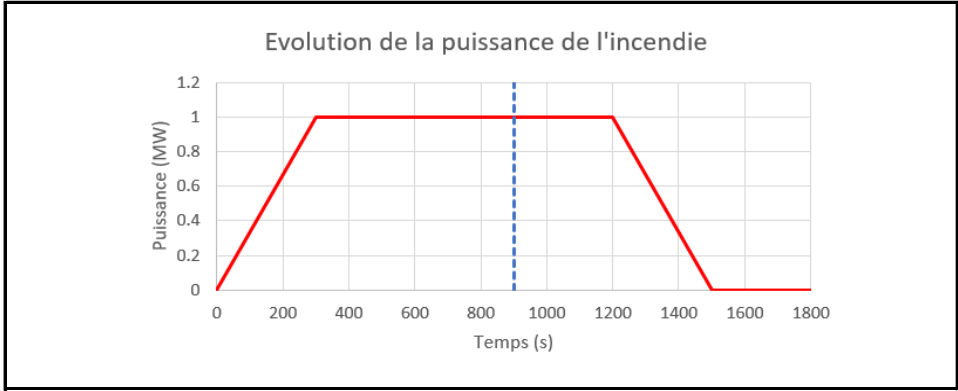
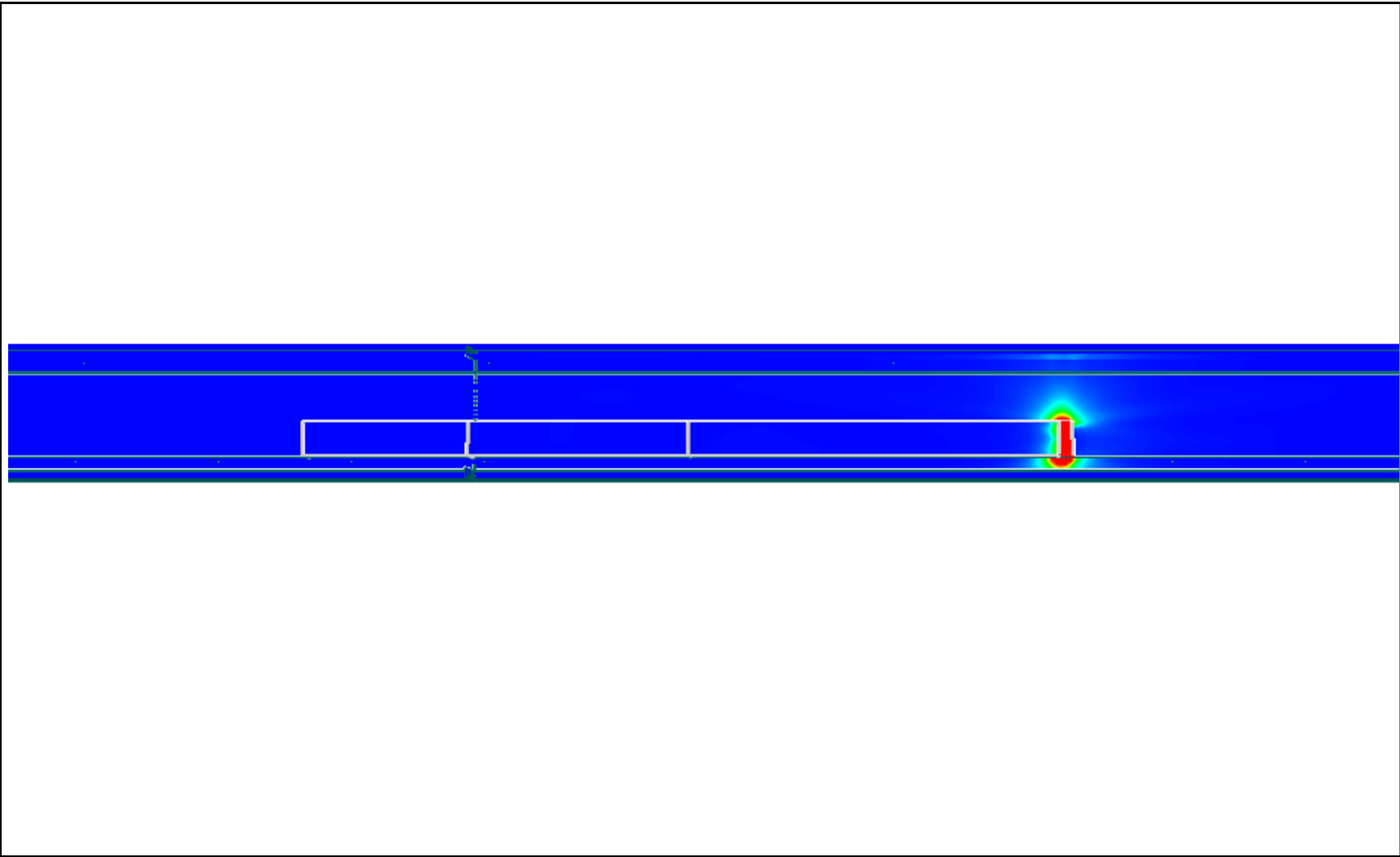
Rayonnement  
(KW/m²)



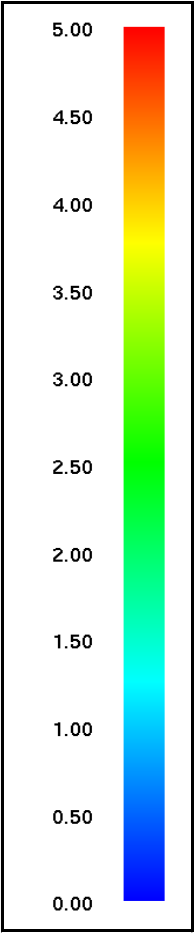
Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)



Scénario 4 : Incendie 1 MW - T = 900 s

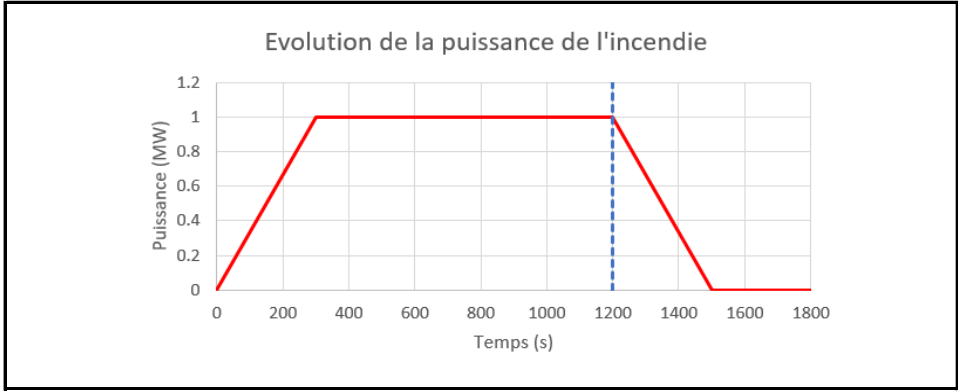
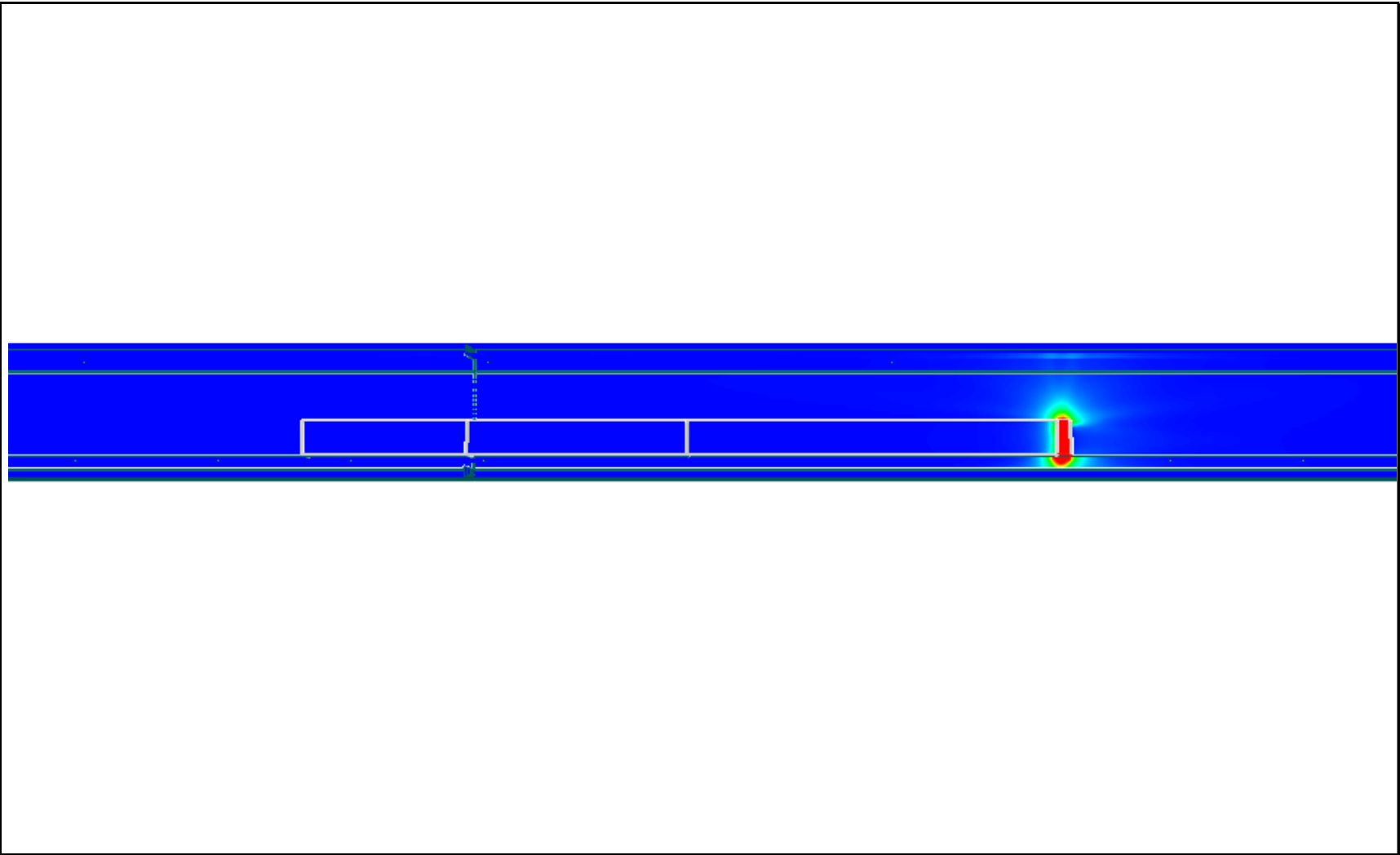


Rayonnement  
(KW/m²)

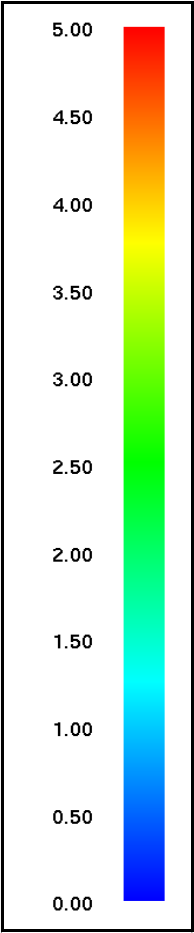


Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)

Scénario 4 : Incendie 1 MW - T = 1200 s



Rayonnement  
(KW/m²)



Scénario 4 :  
Incendie de 1 MW en début de train (côté station WUN)