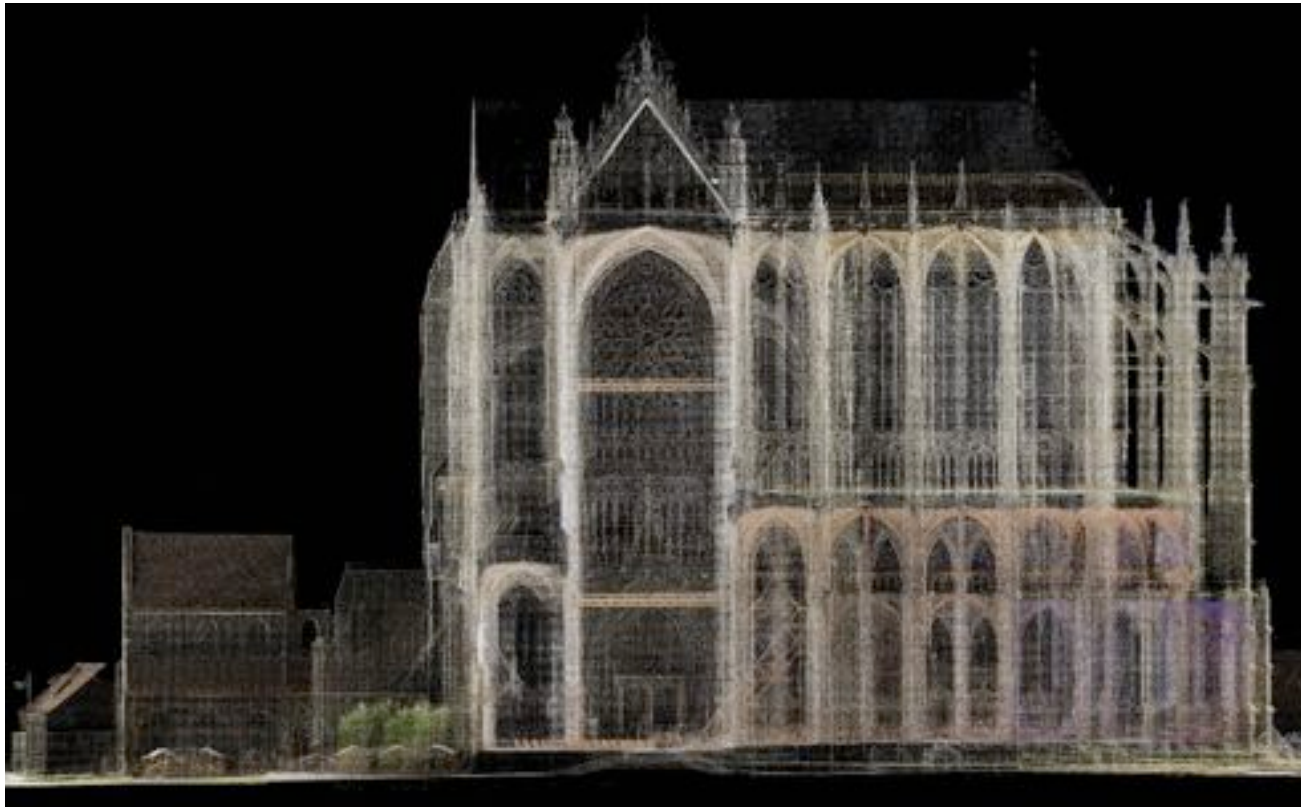


L'apport de la numérisation dans la
connaissance du gothique.



El Mustapha Mouaddib
Laboratoire MIS-UPJV-Amiens

Le programme E-Cathédrale

- E-Cathédrale a démarré en 2010, pour une durée de 15 ans.
- C'est un programme de recherche et de production de maquettes numériques 3D du patrimoine.
- Partenaires



Enjeux du numérique (patrimoine)

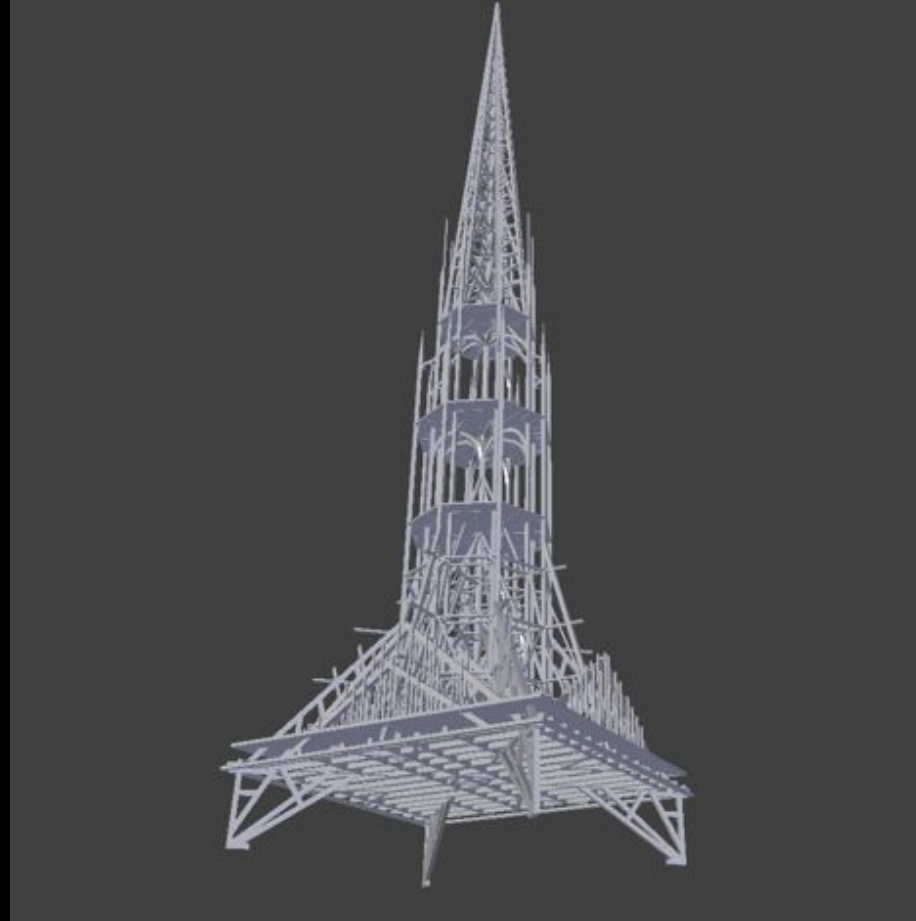
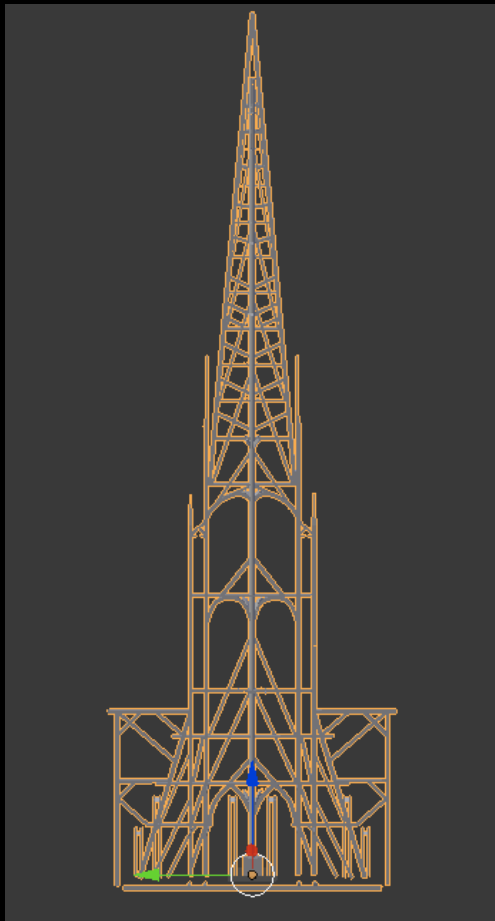
- Archivage du patrimoine
- Diffusion, accessibilité
- Recherche
- Développer des compétences autour du numérique
- Economiques :
 - Tourisme
 - industrie du numérique

Numérisation

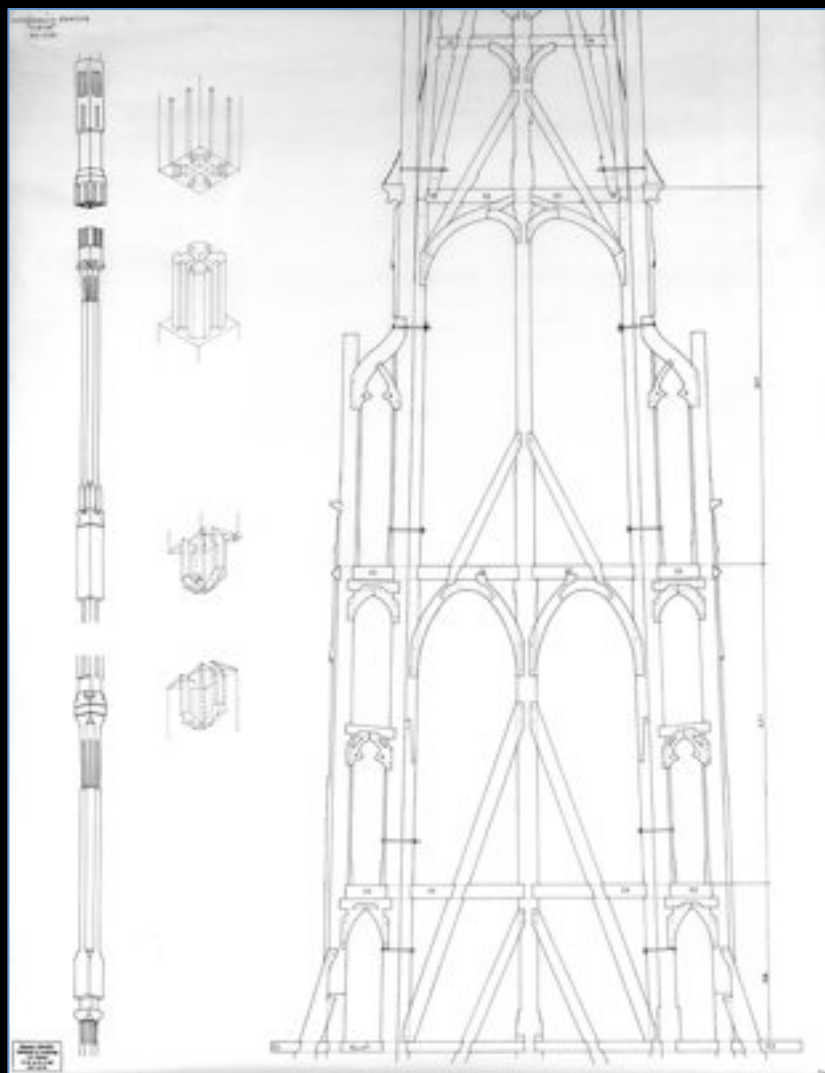
- CAO (Conception Assistée par Ordinateur)
- Photogrammétrie
 - terrestre
 - avion
 - drones
 - Robots
- Lasergrammétrie



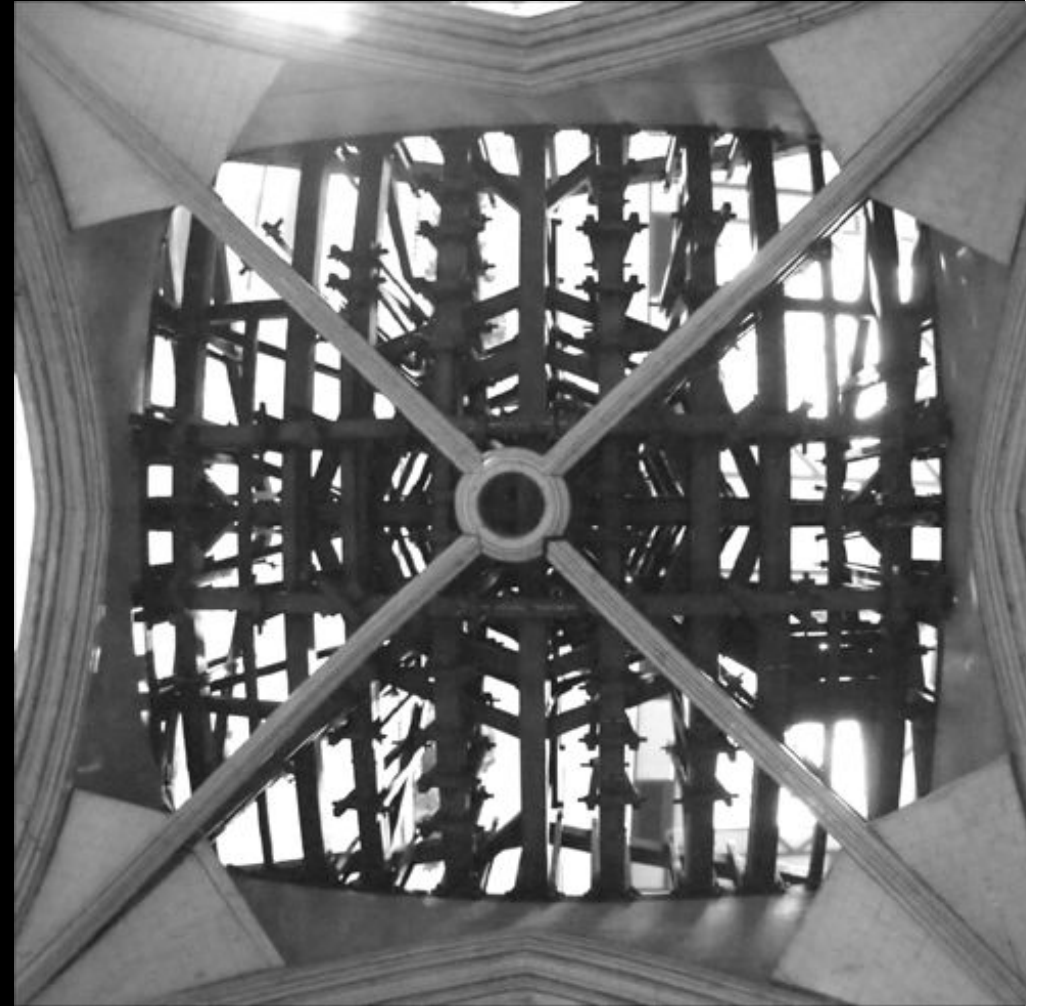
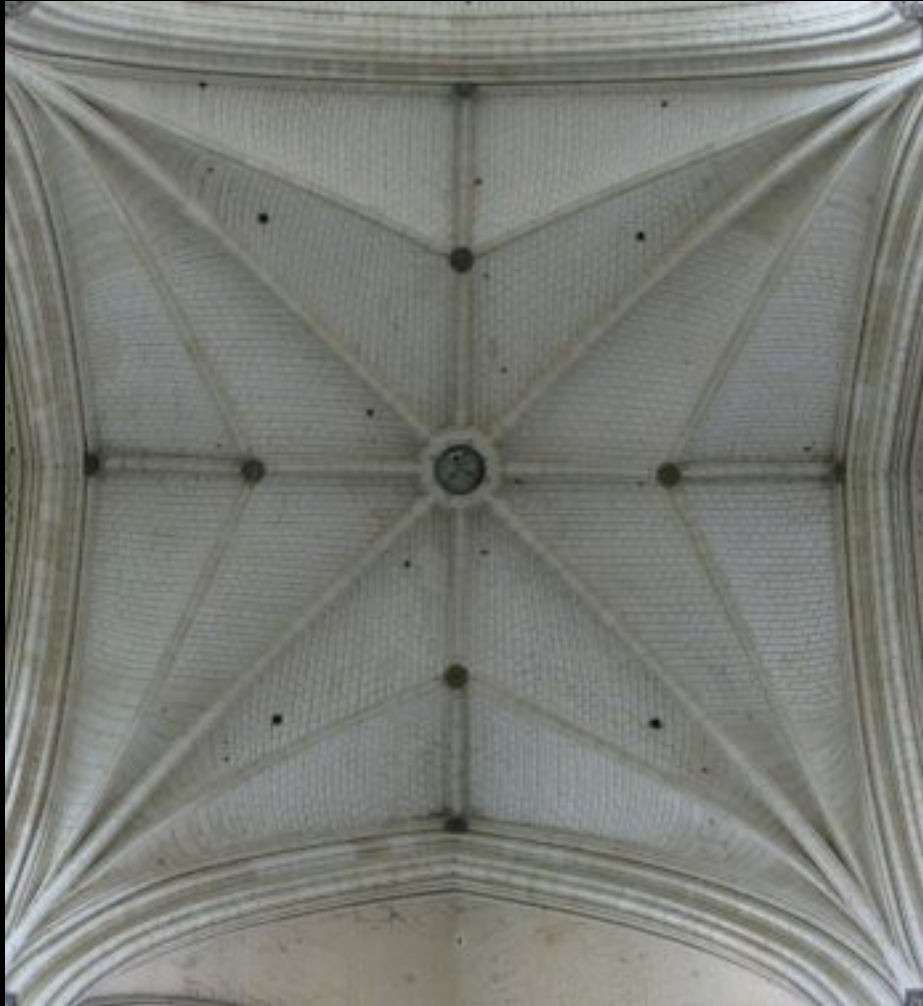
Modélisation de la charpente de la flèche



Modélisation de la charpente de la flèche



Charpente de la flèche



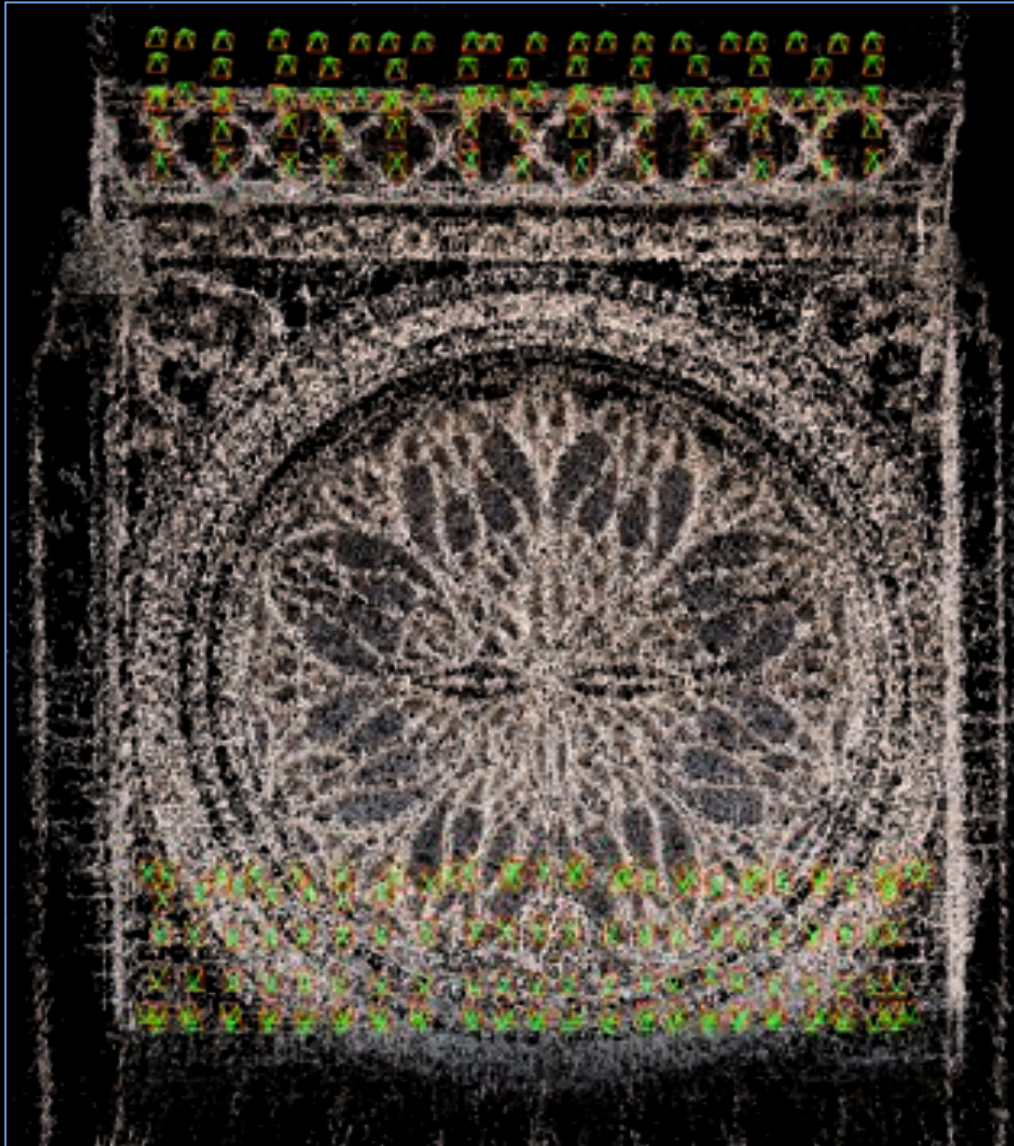
Photogrammétrie



Photogrammétrie



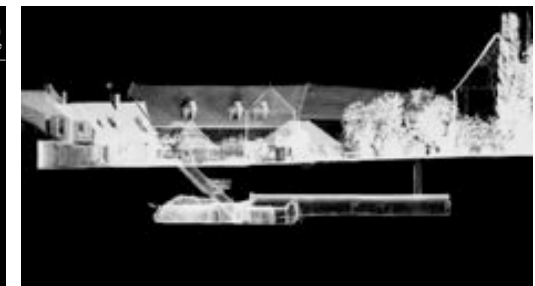
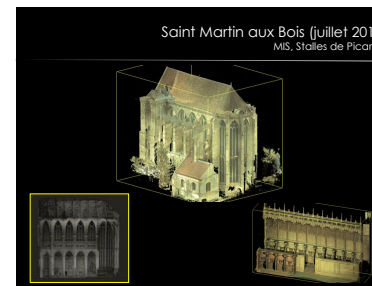
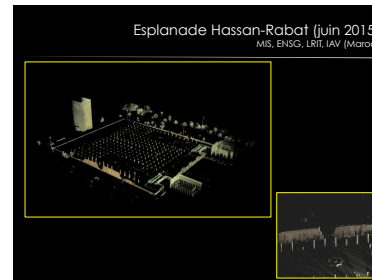
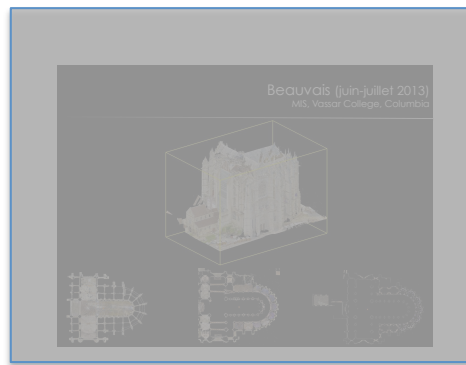
Résultats de reconstruction (rose-Amiens)



...us habet
... they put us in prison, for we



Production de modèles



2010

2011

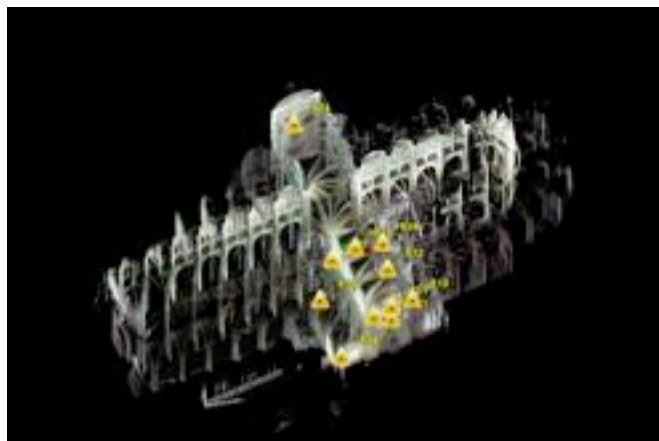
2012

2013

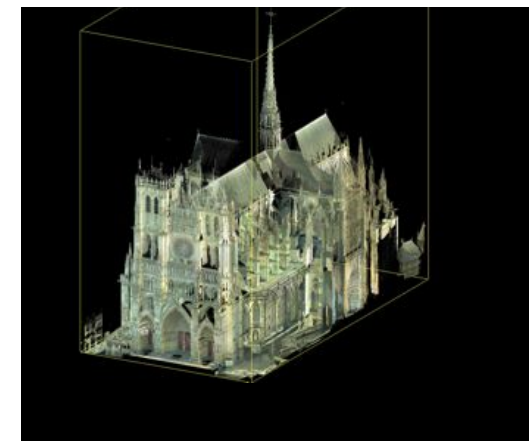
2014

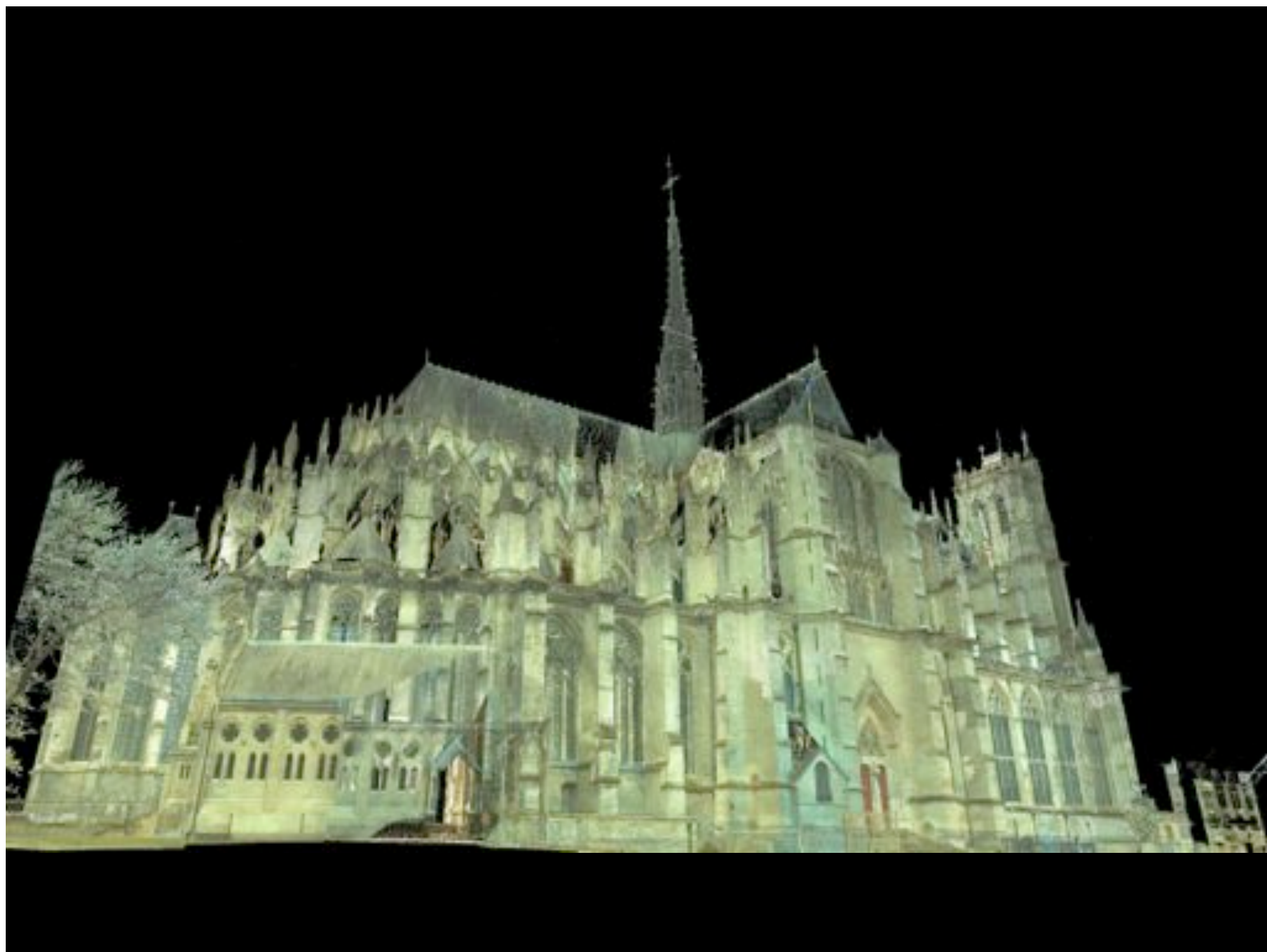
2015

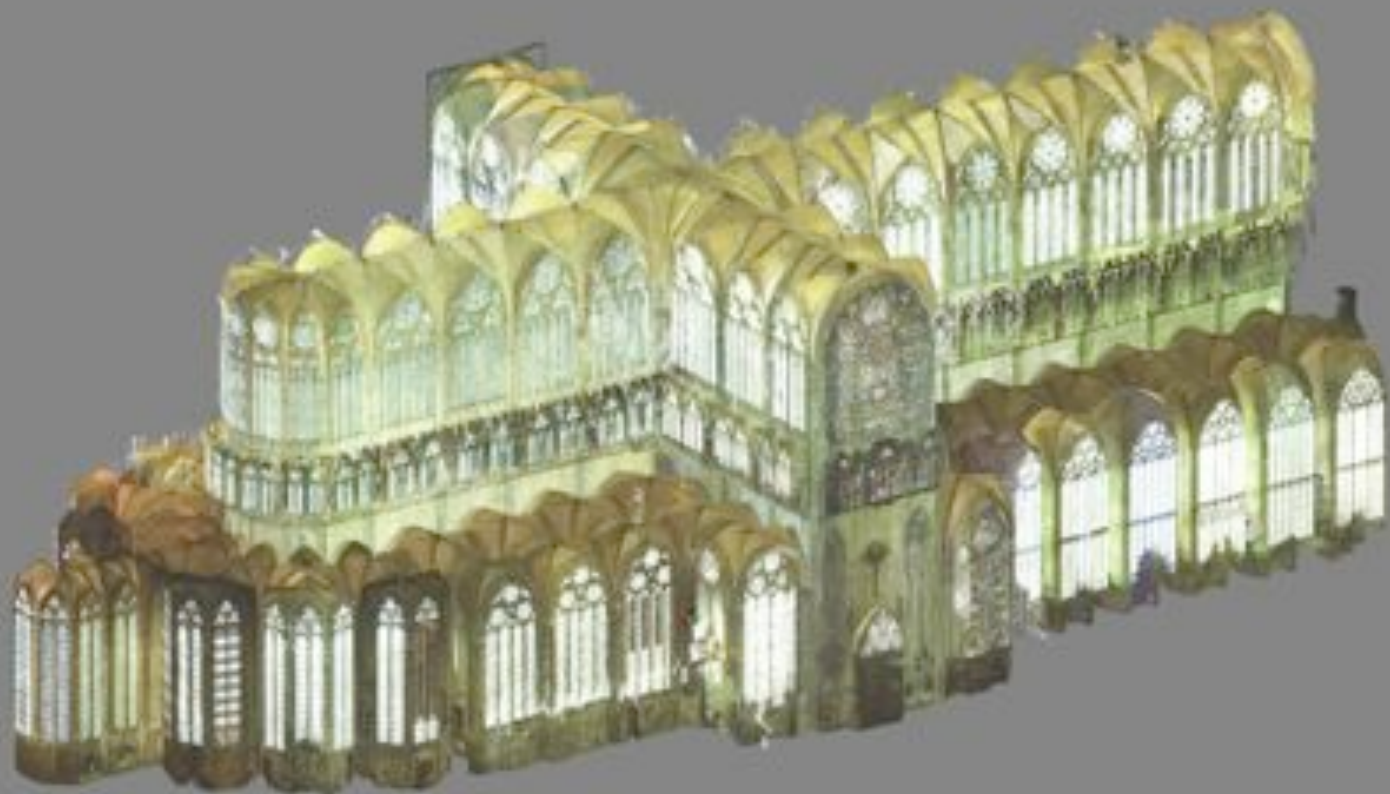
2016

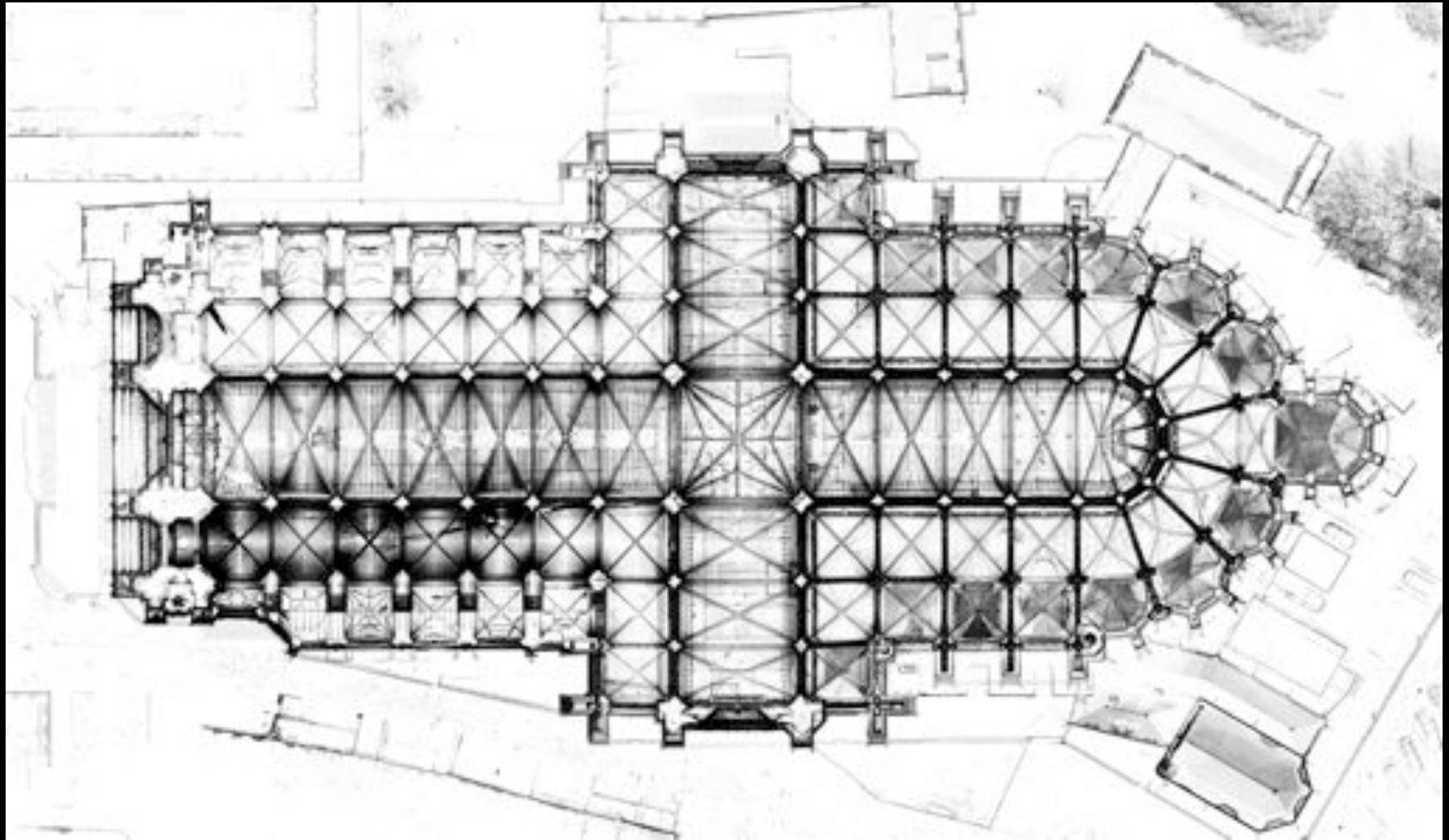


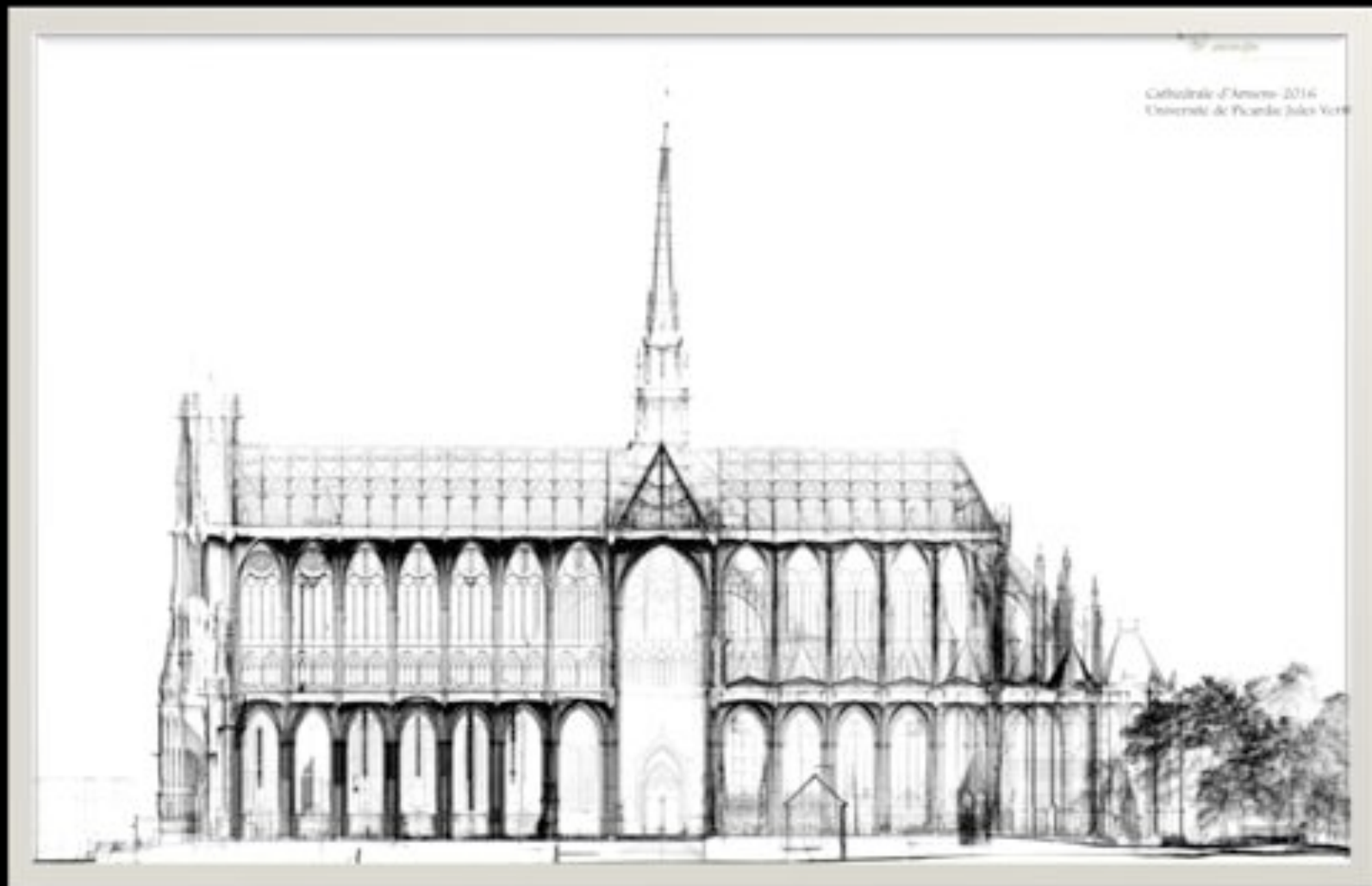
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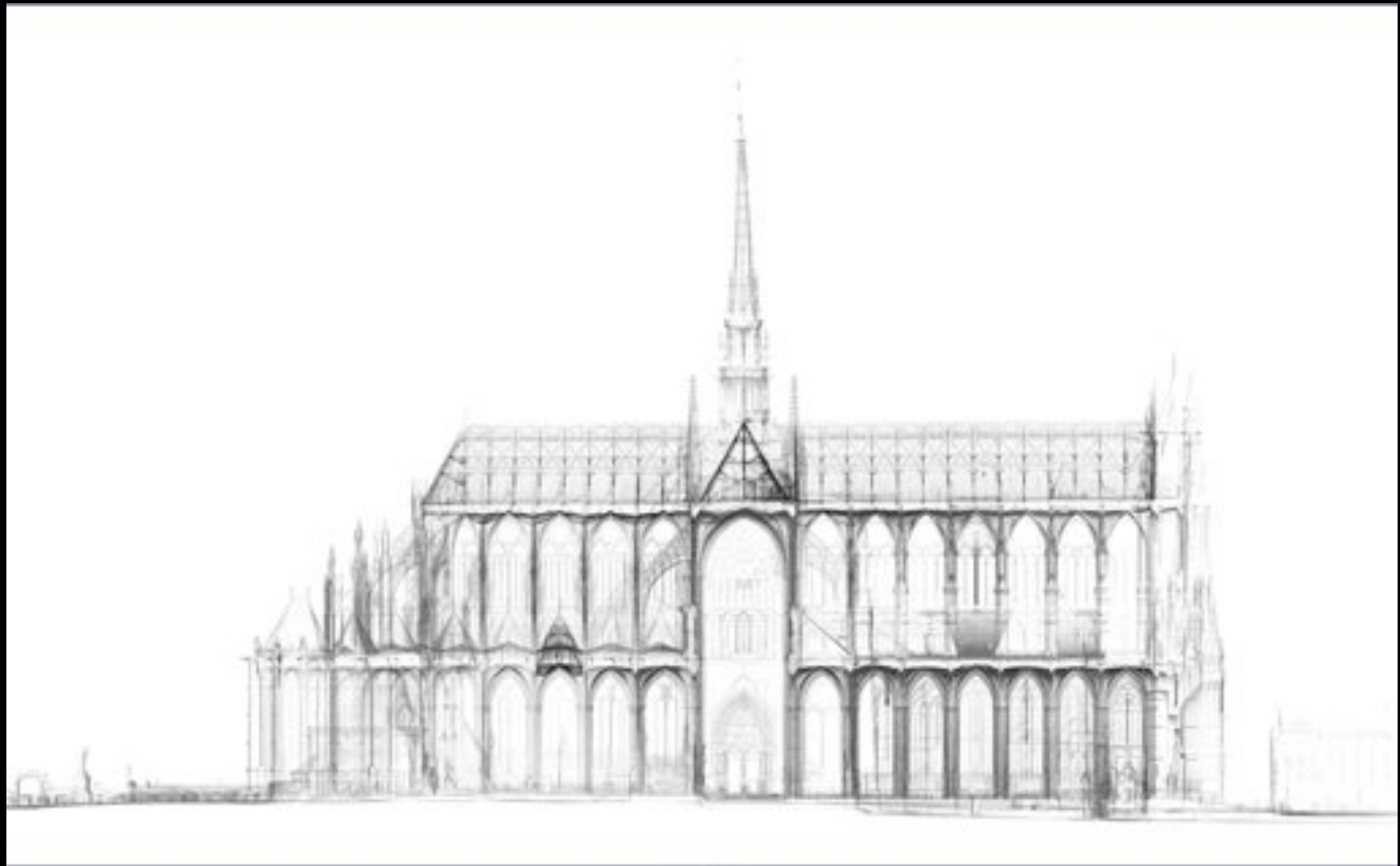


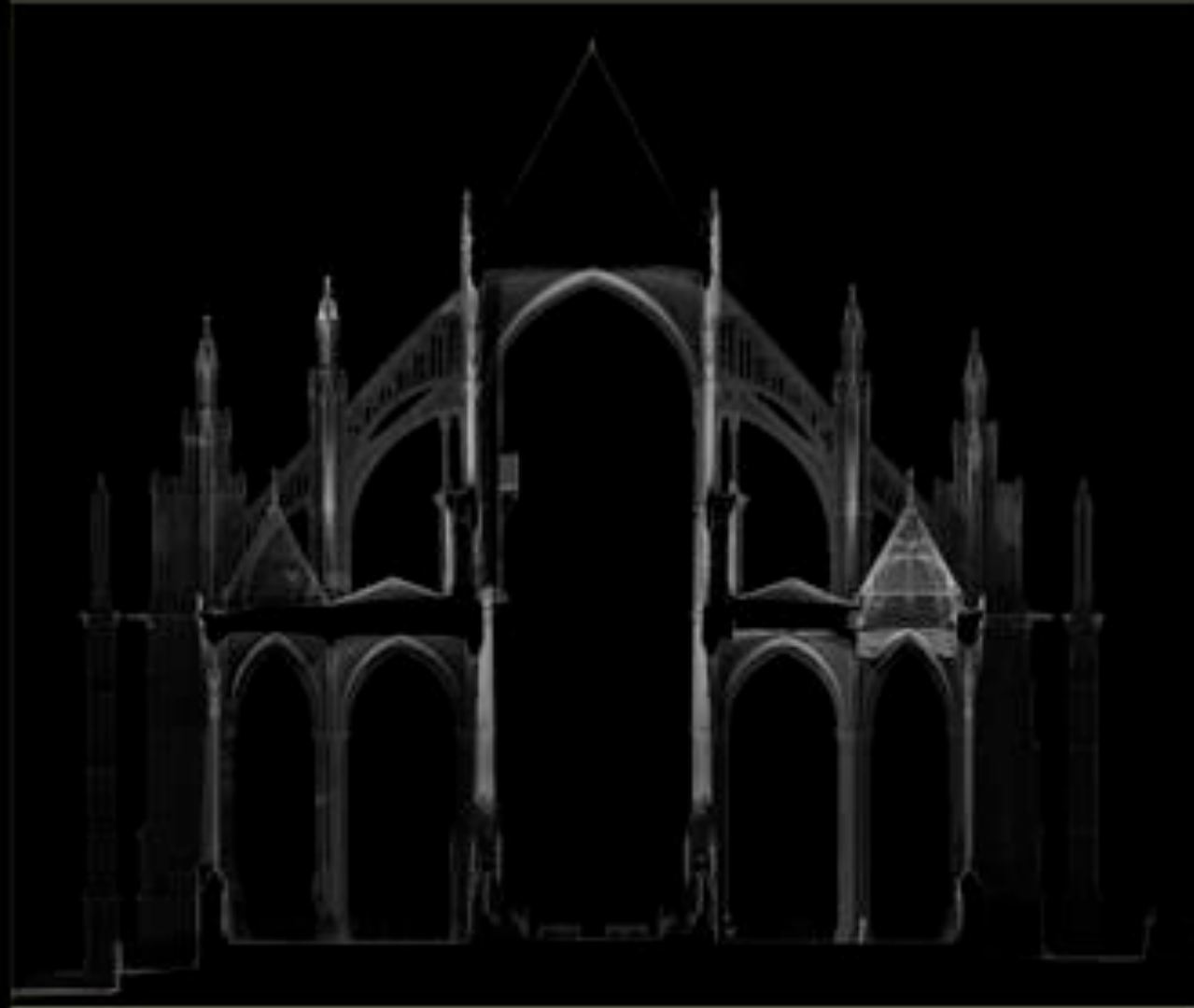






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Numérisation Beauvais : juin 2013

UPJV (E. Mouaddib) -Vassar College (A. Tallon)



Numérisation Beauvais : juin 2013

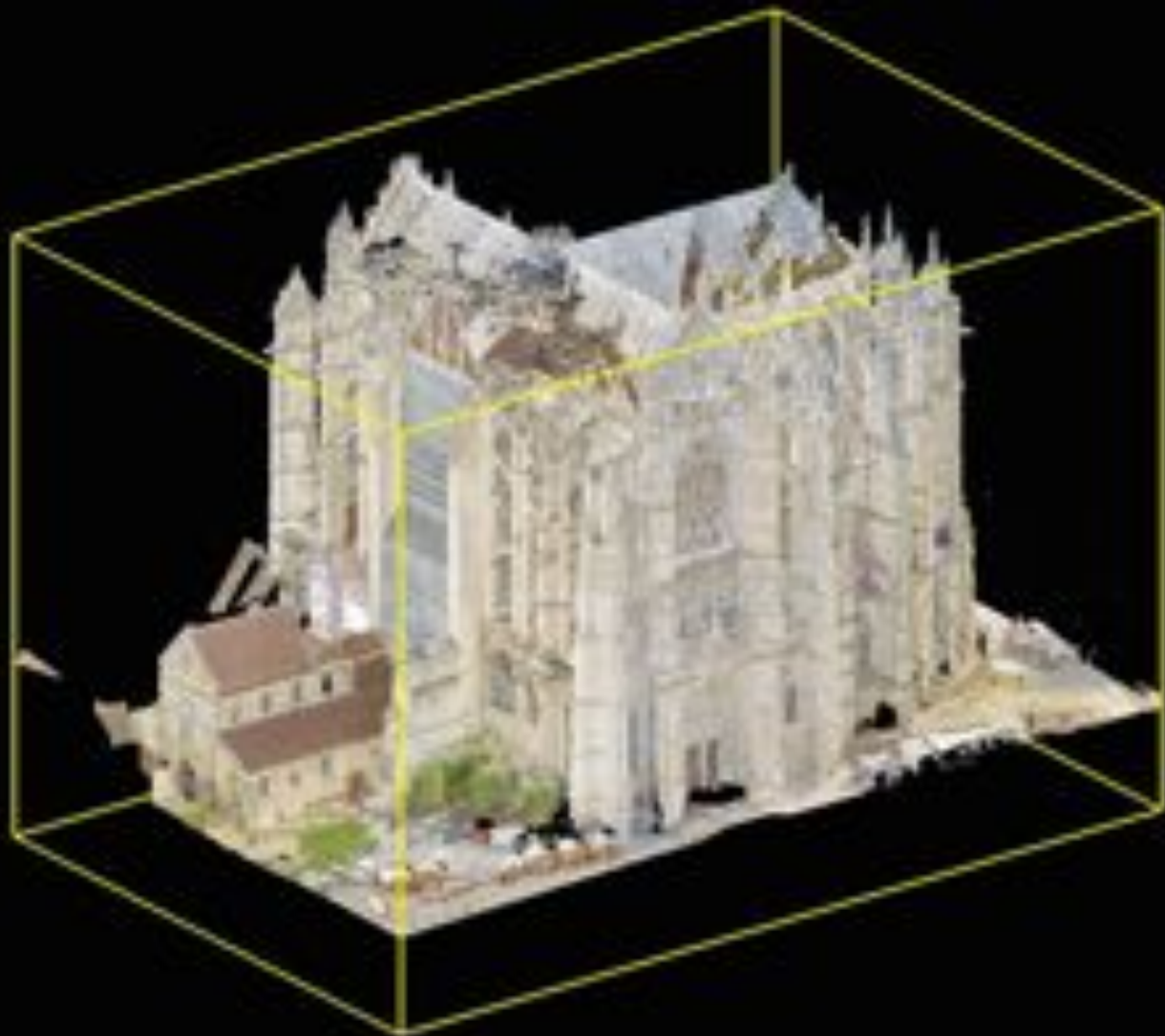
UPJV (E. Mouaddib) -Vassar College (A. Tallon)



Numérisation Beauvais : juin 2013

UPJV (E. Mouaddib) -Vassar College (A. Tallon)





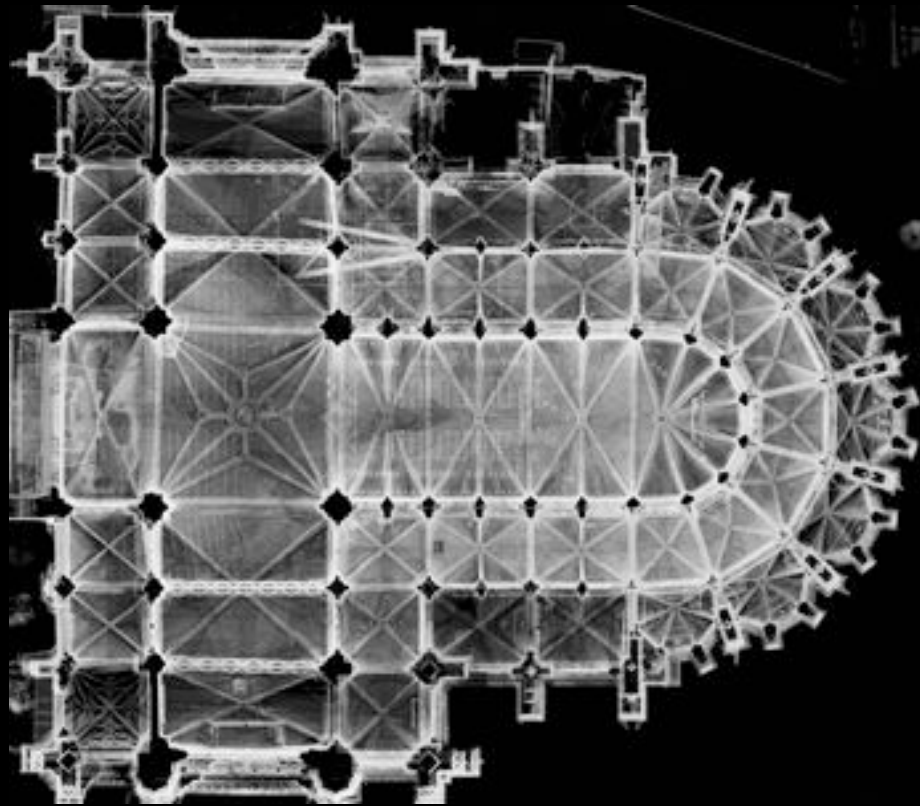


Vidéo

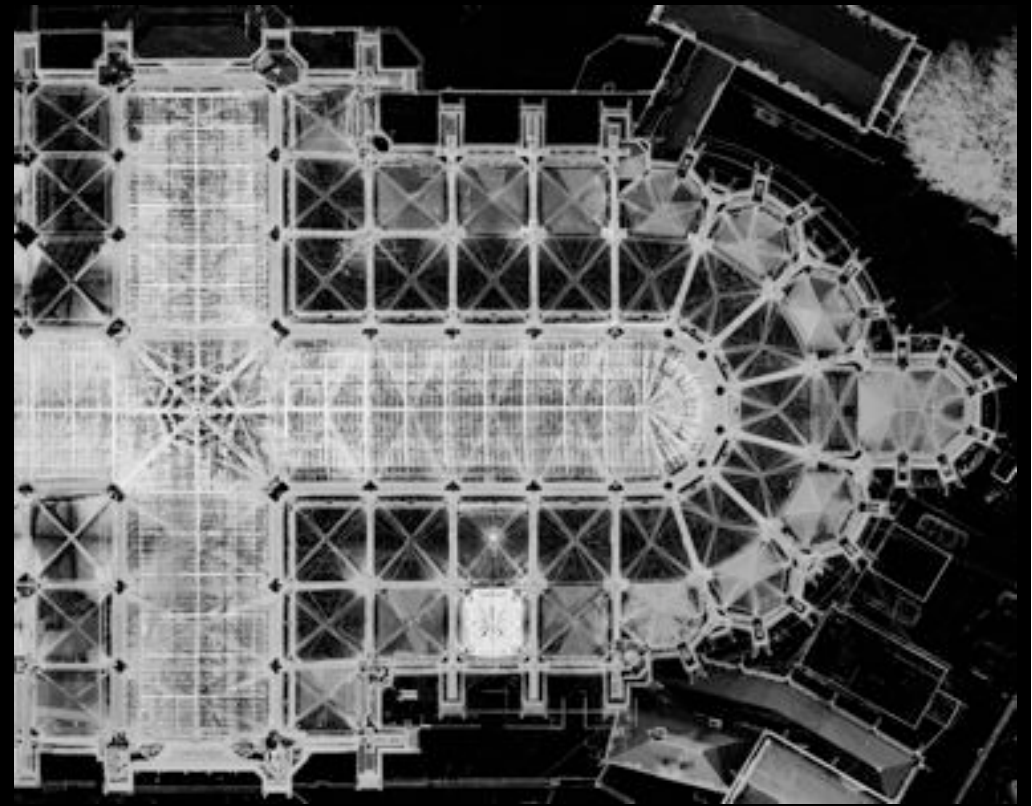


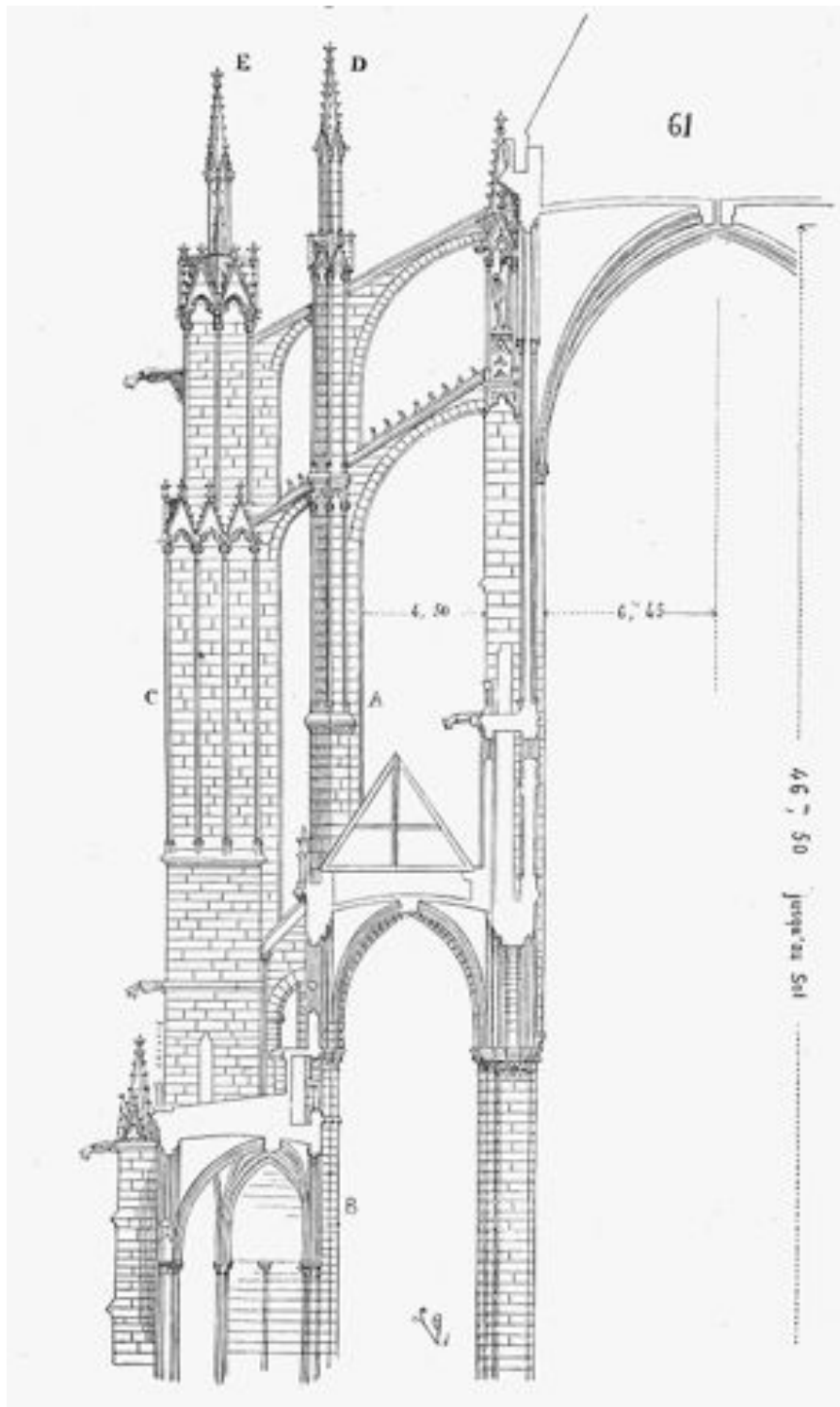


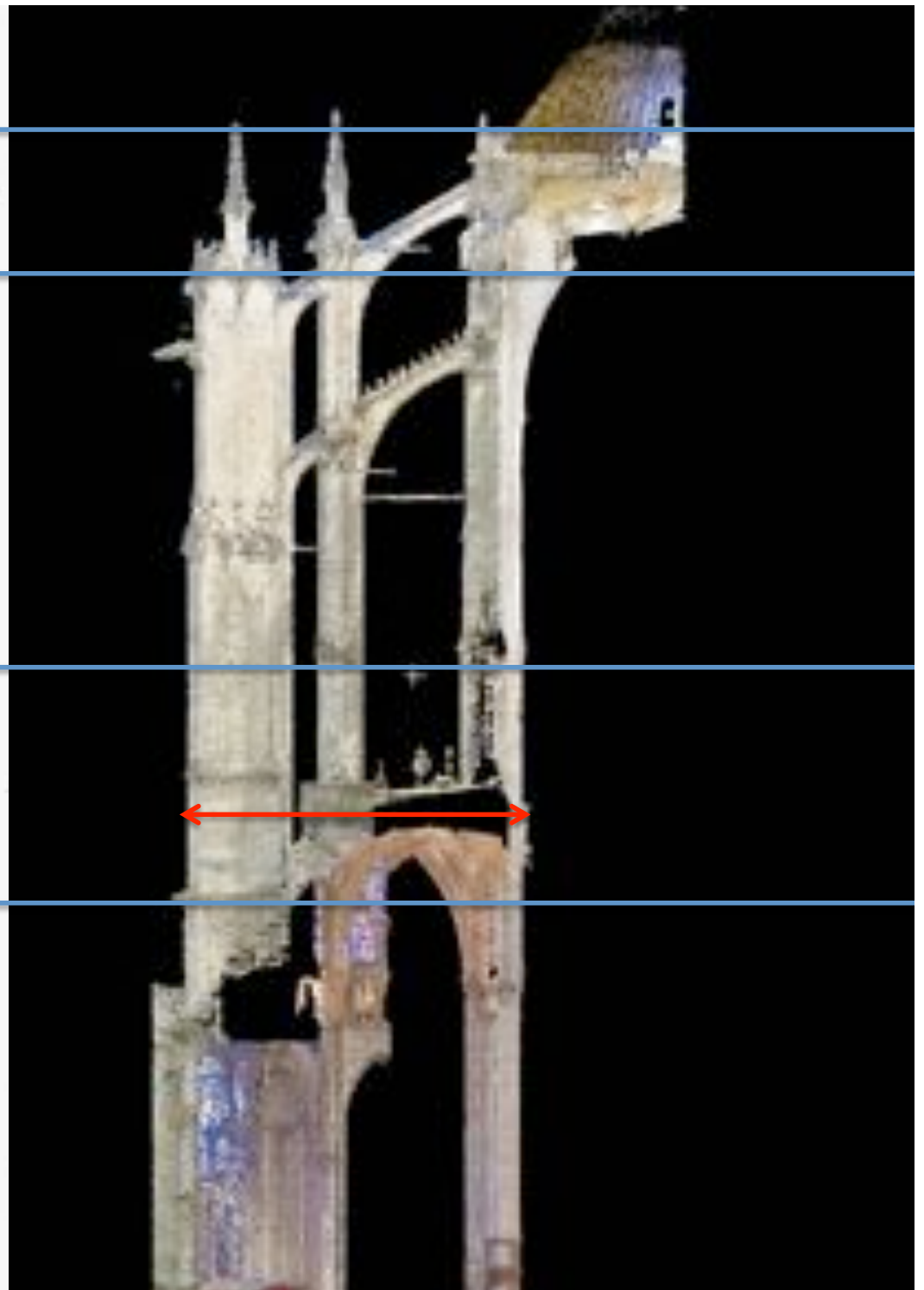
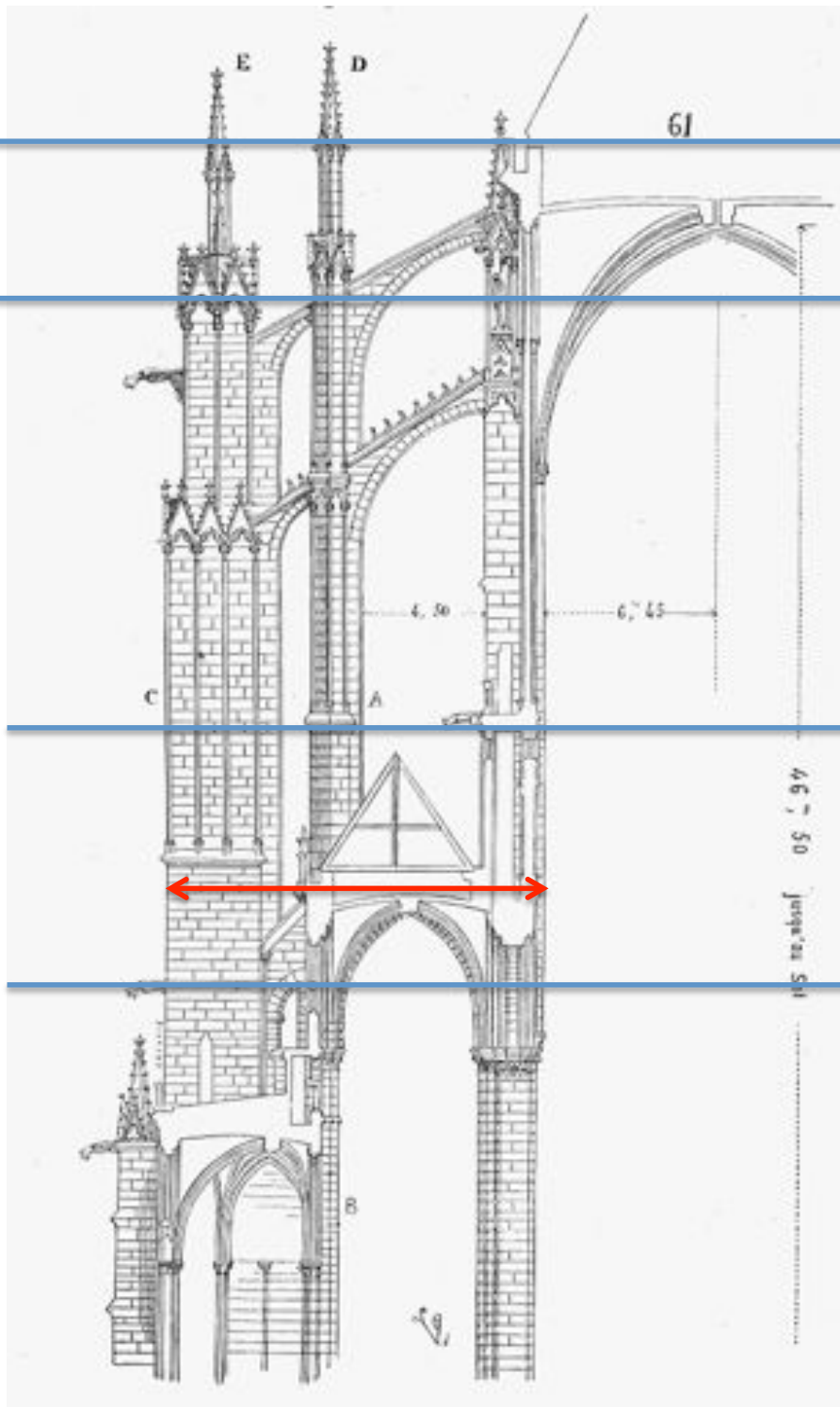
Beauvais

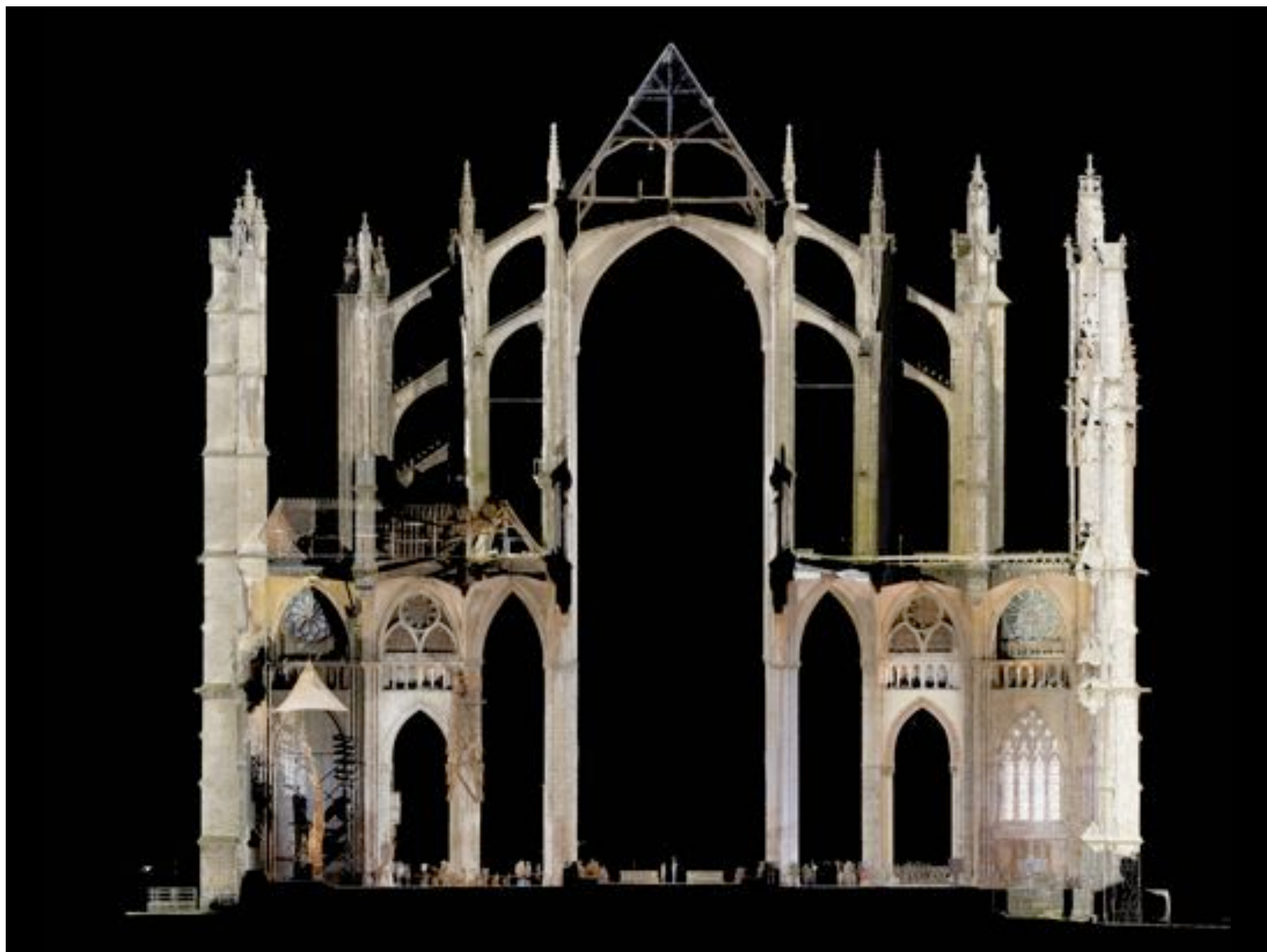


Amiens



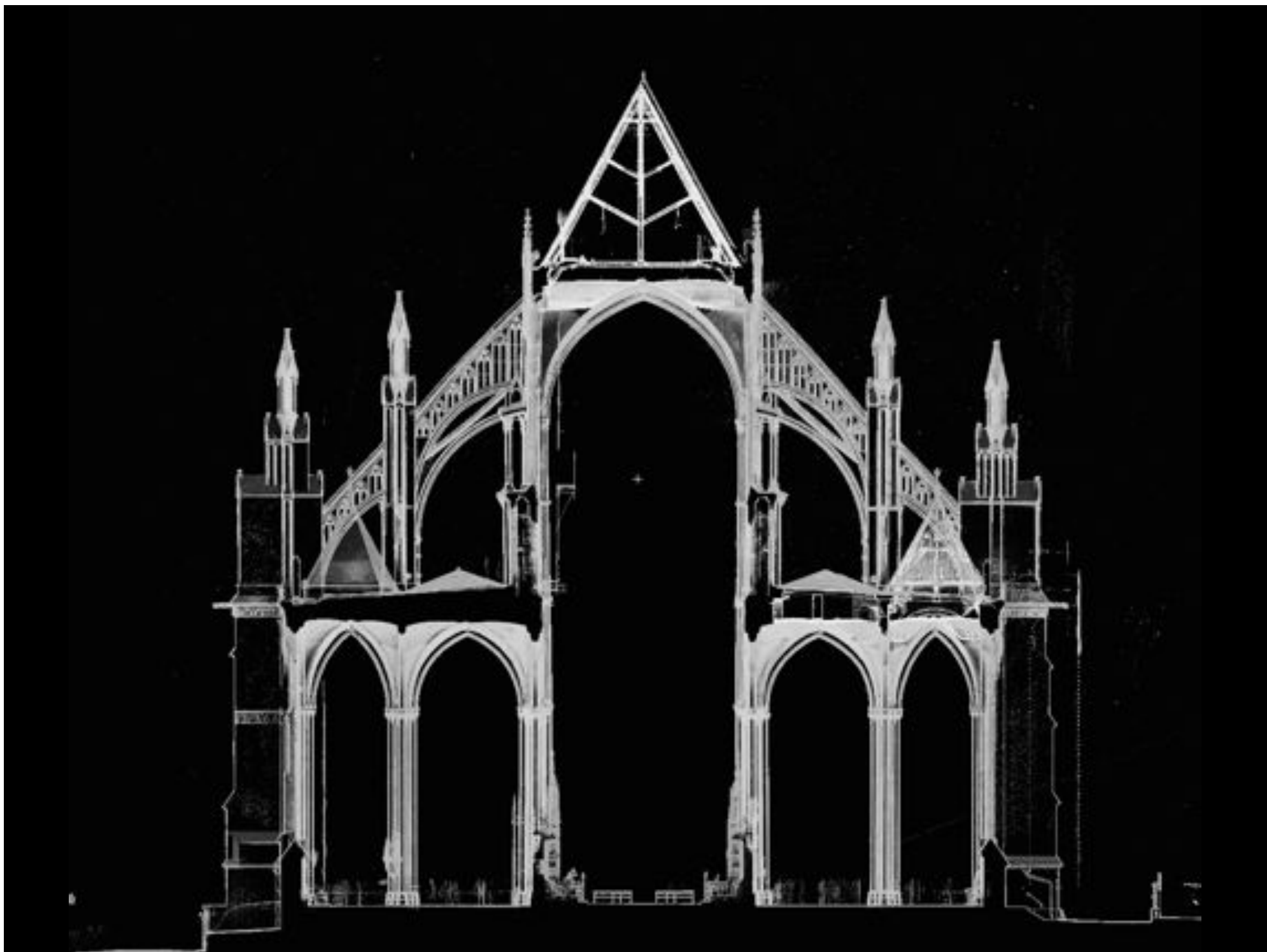


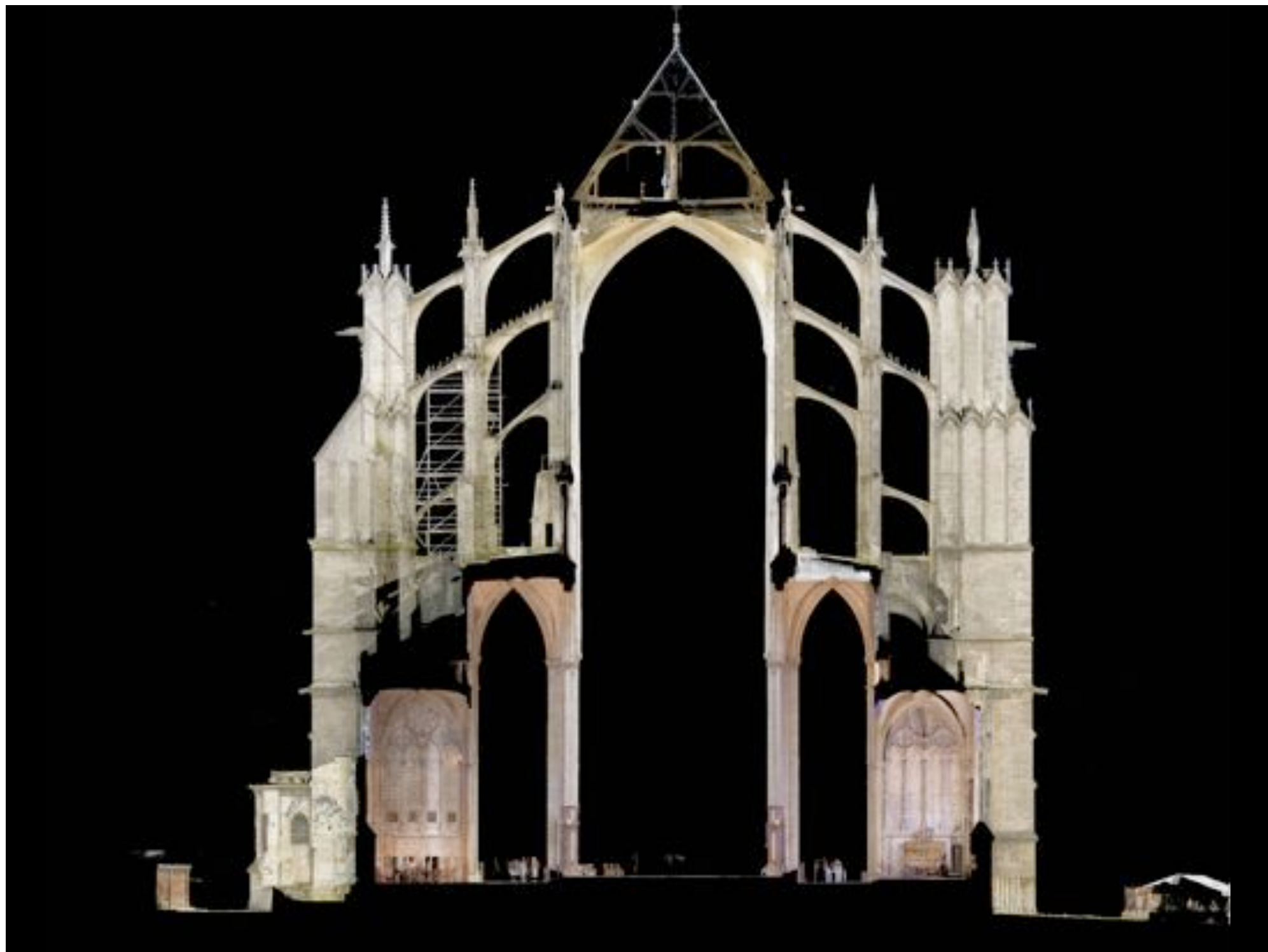


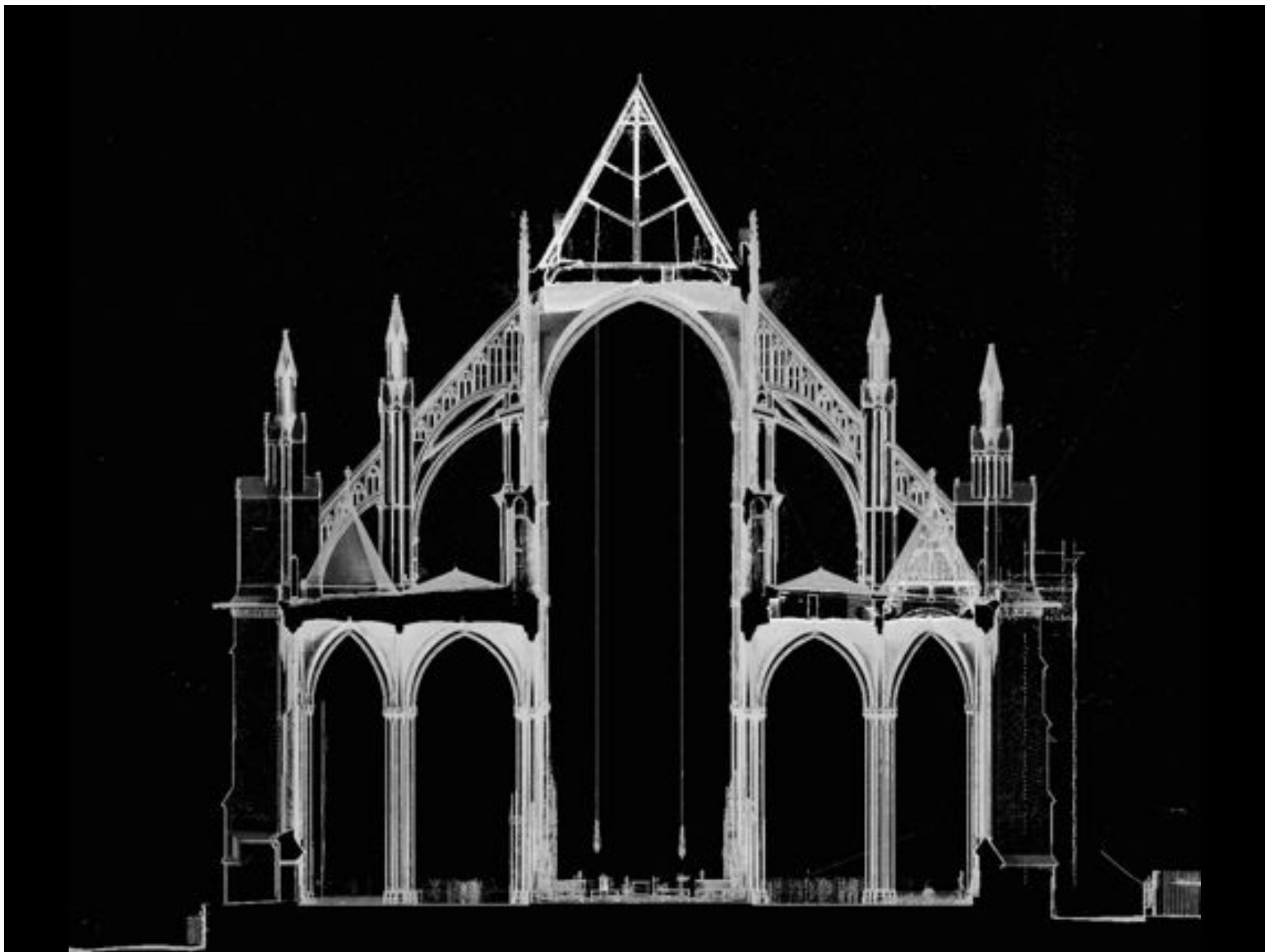


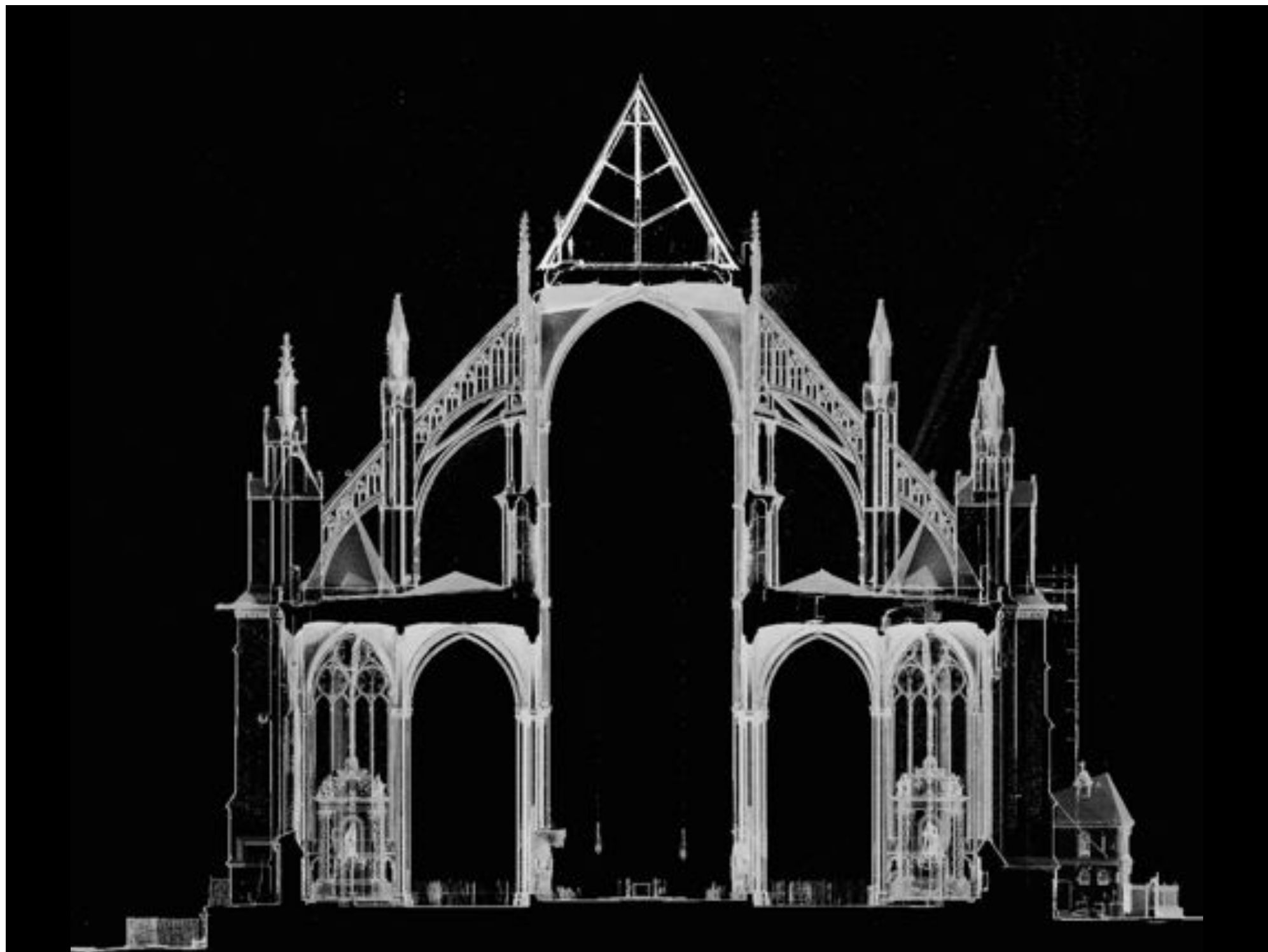




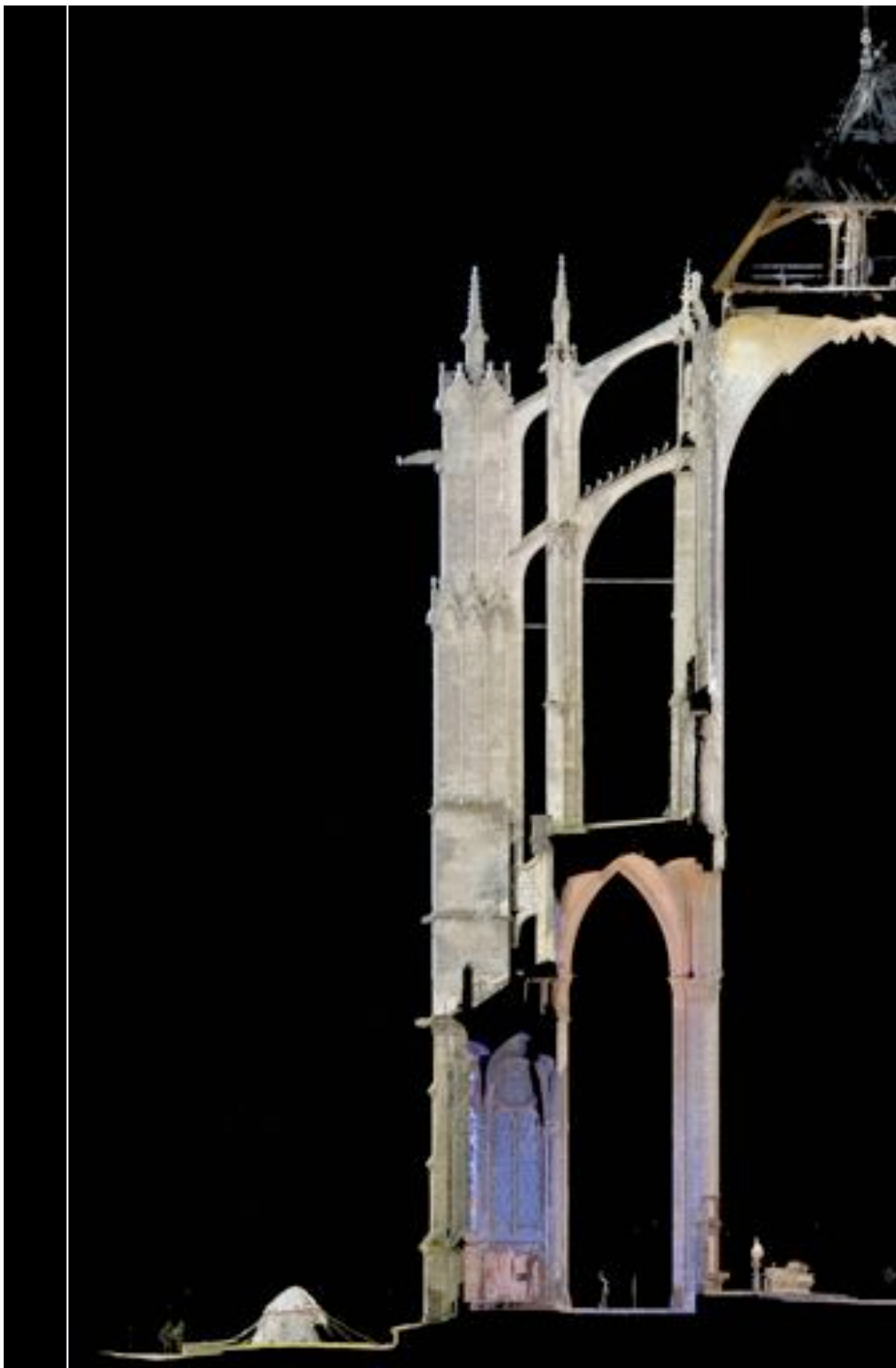




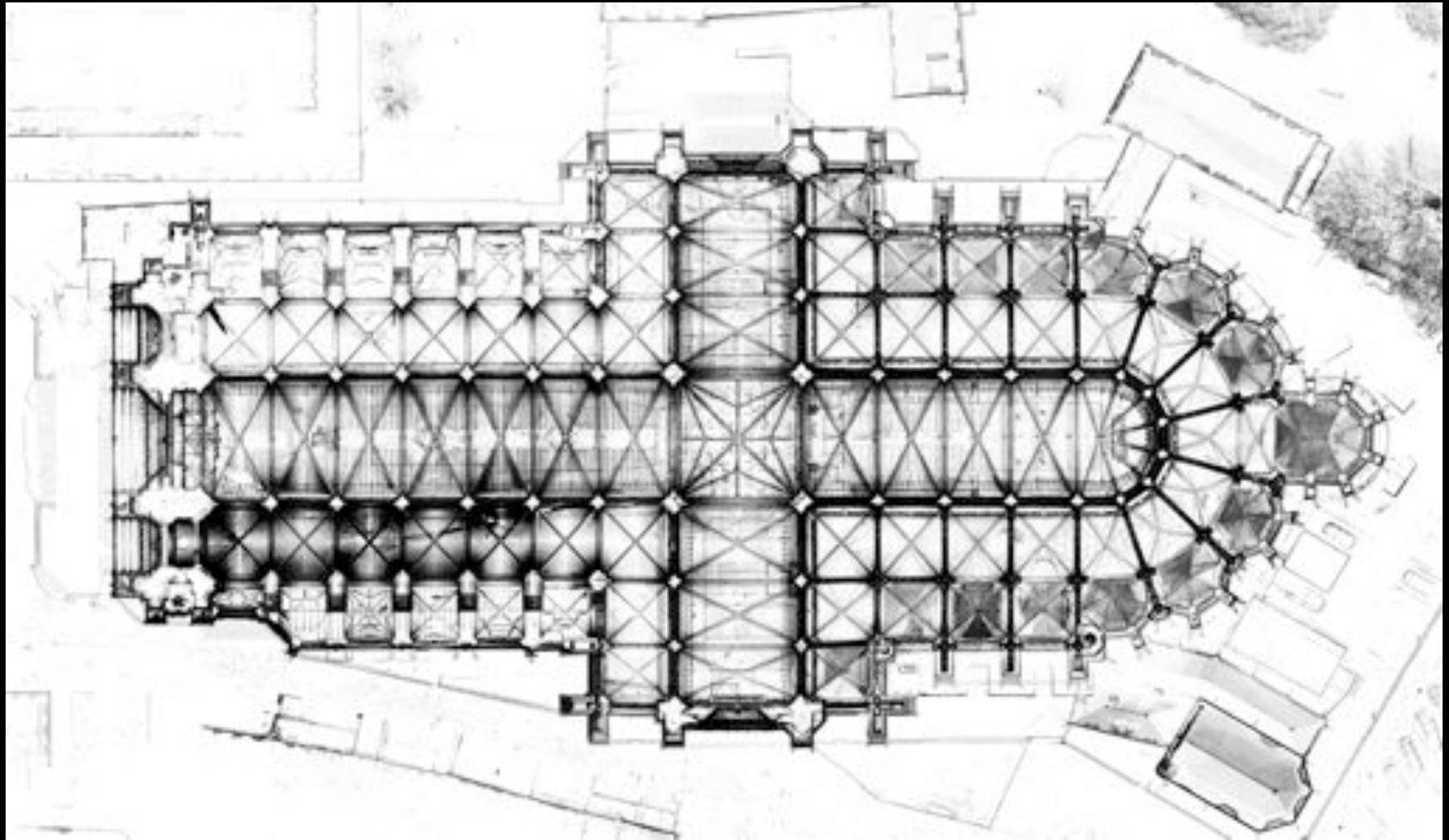


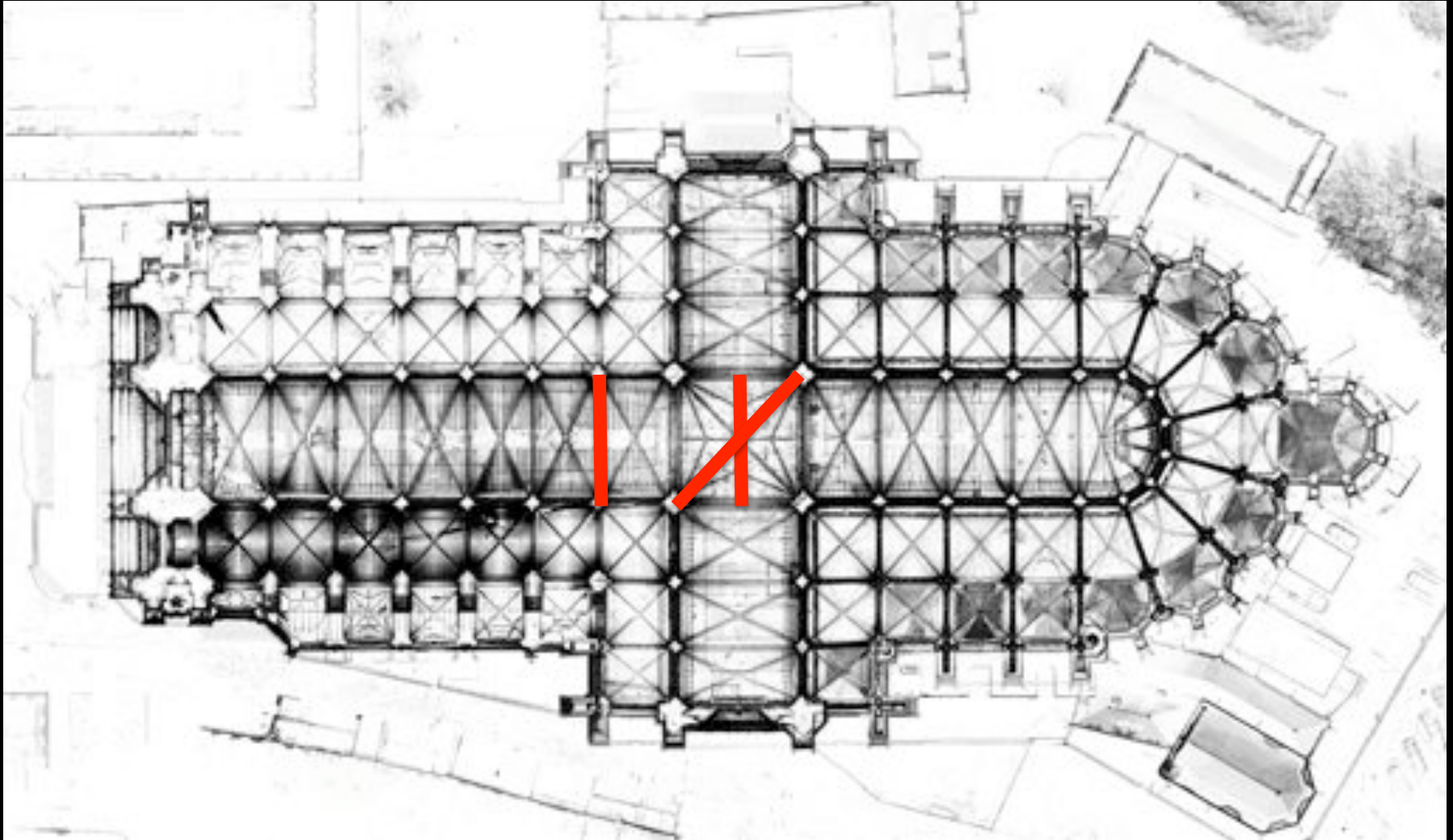




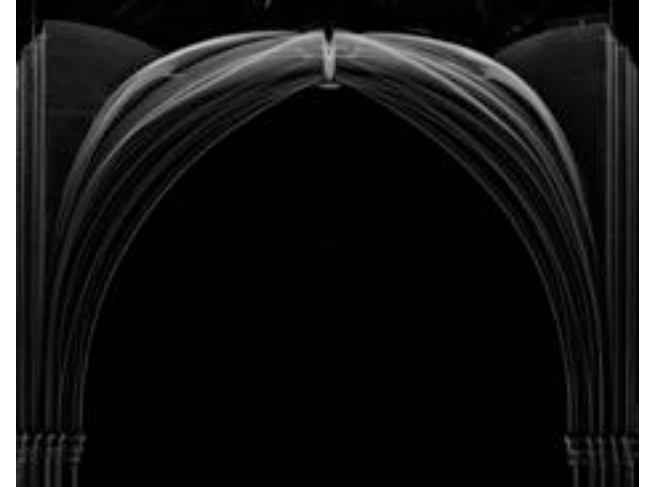
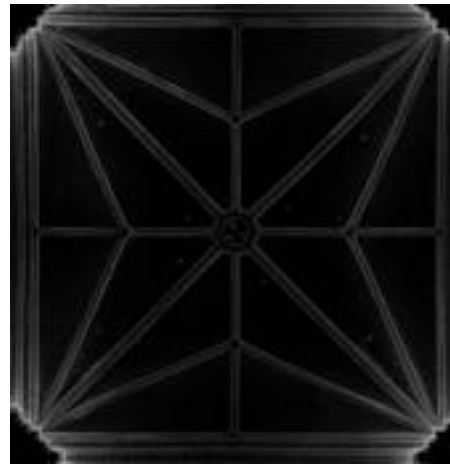
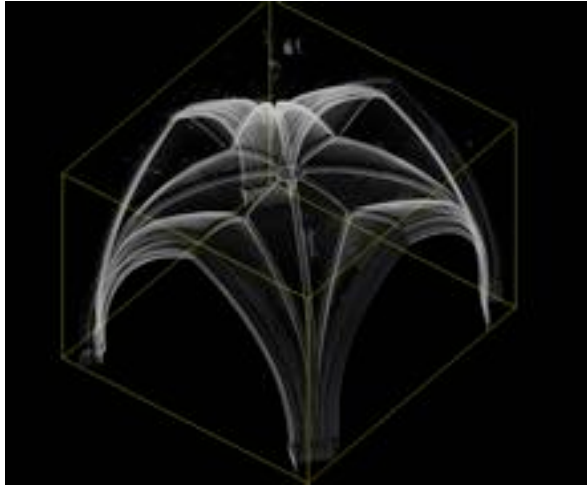


Géométrie des arcs

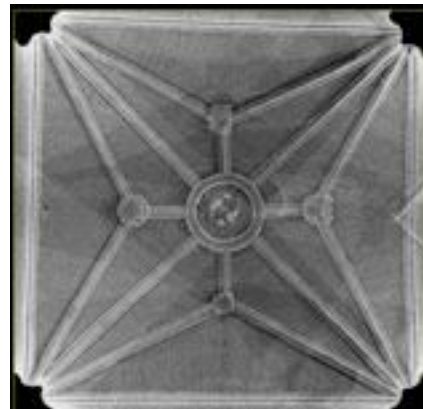
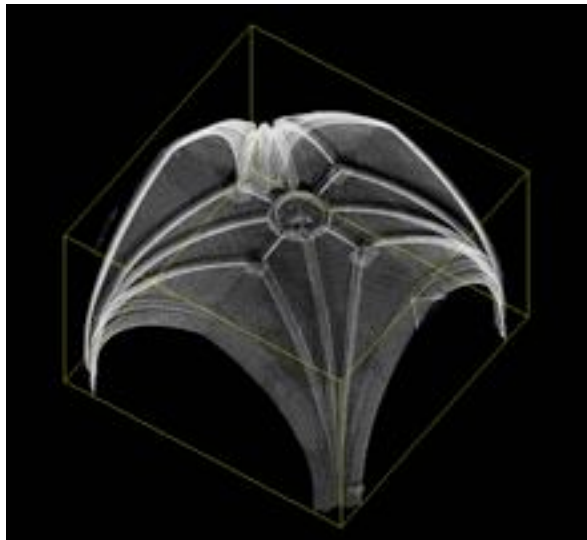




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- IGN et ENSG
- Les dizaines d'étudiants
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- Et à tous les partenaires



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