

# E ~ cAthédrale



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# 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



# Objectifs

- La conservation
- L'étude
- La recherche
- L'accessibilité

# La conservation par la numérisation

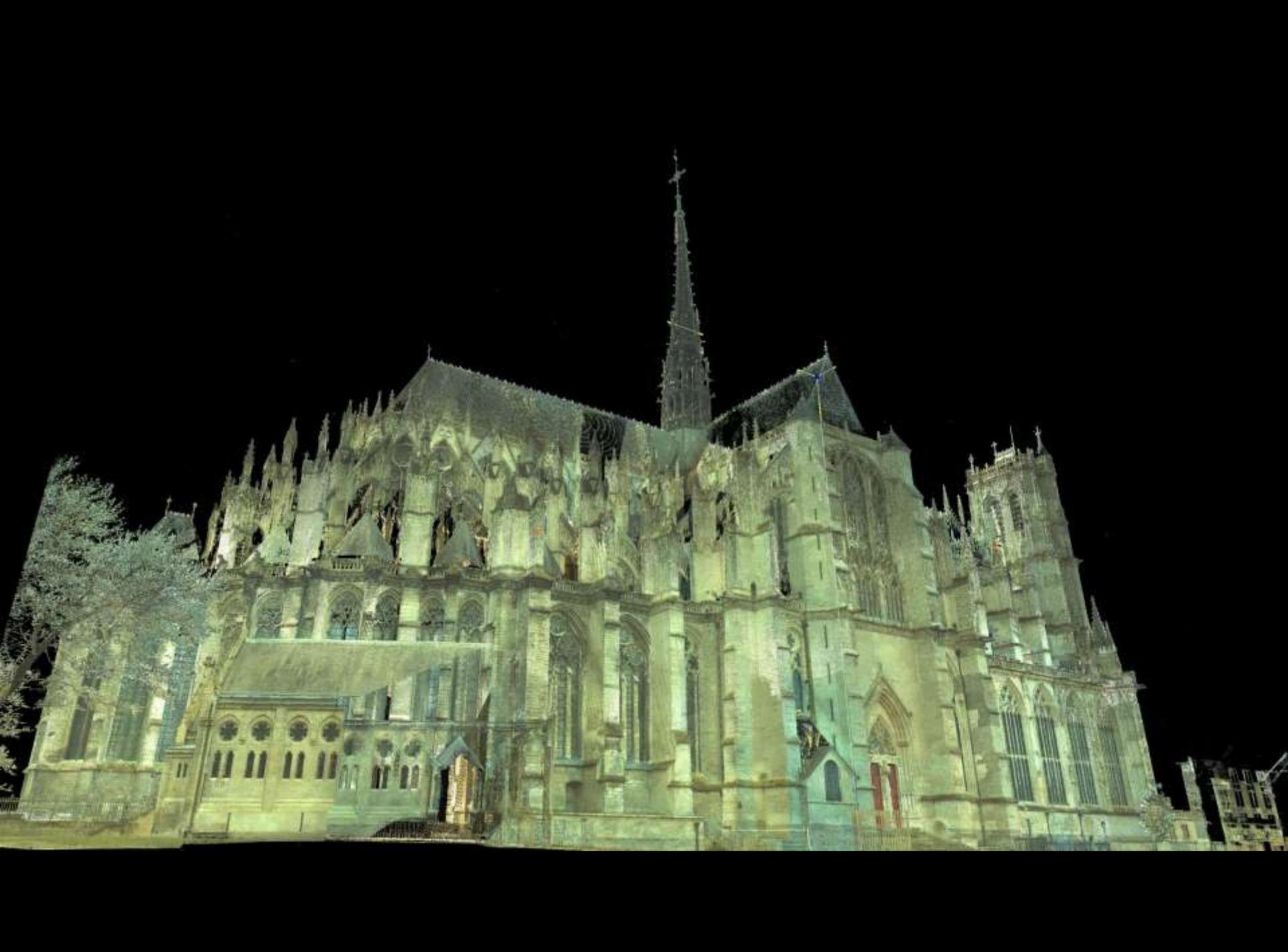
- CAO (Conception Assistée par Ordinateur)



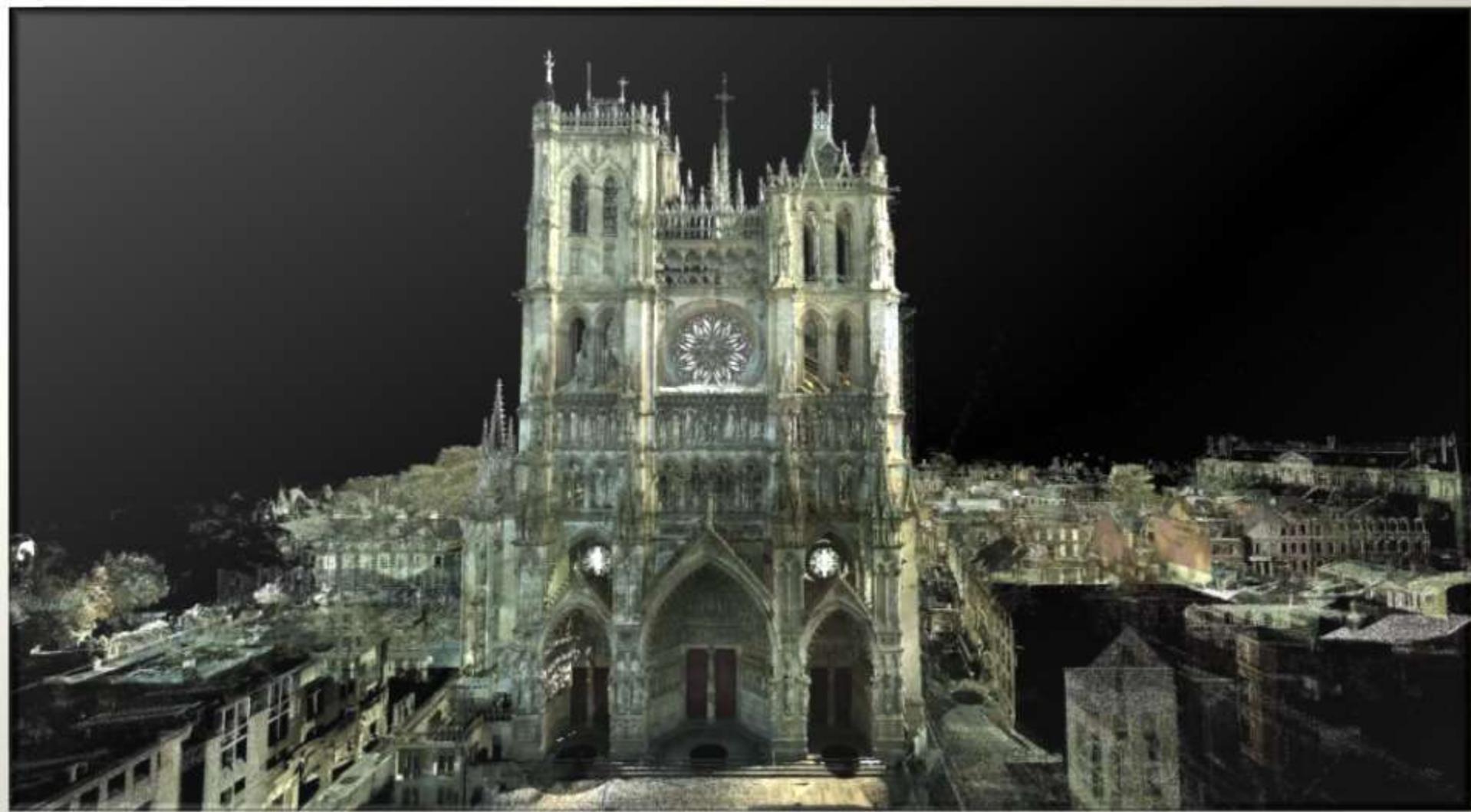
- Photogrammétrie
  - terrestre
  - avion
  - drones
  - Robots

- Lasergrammétrie



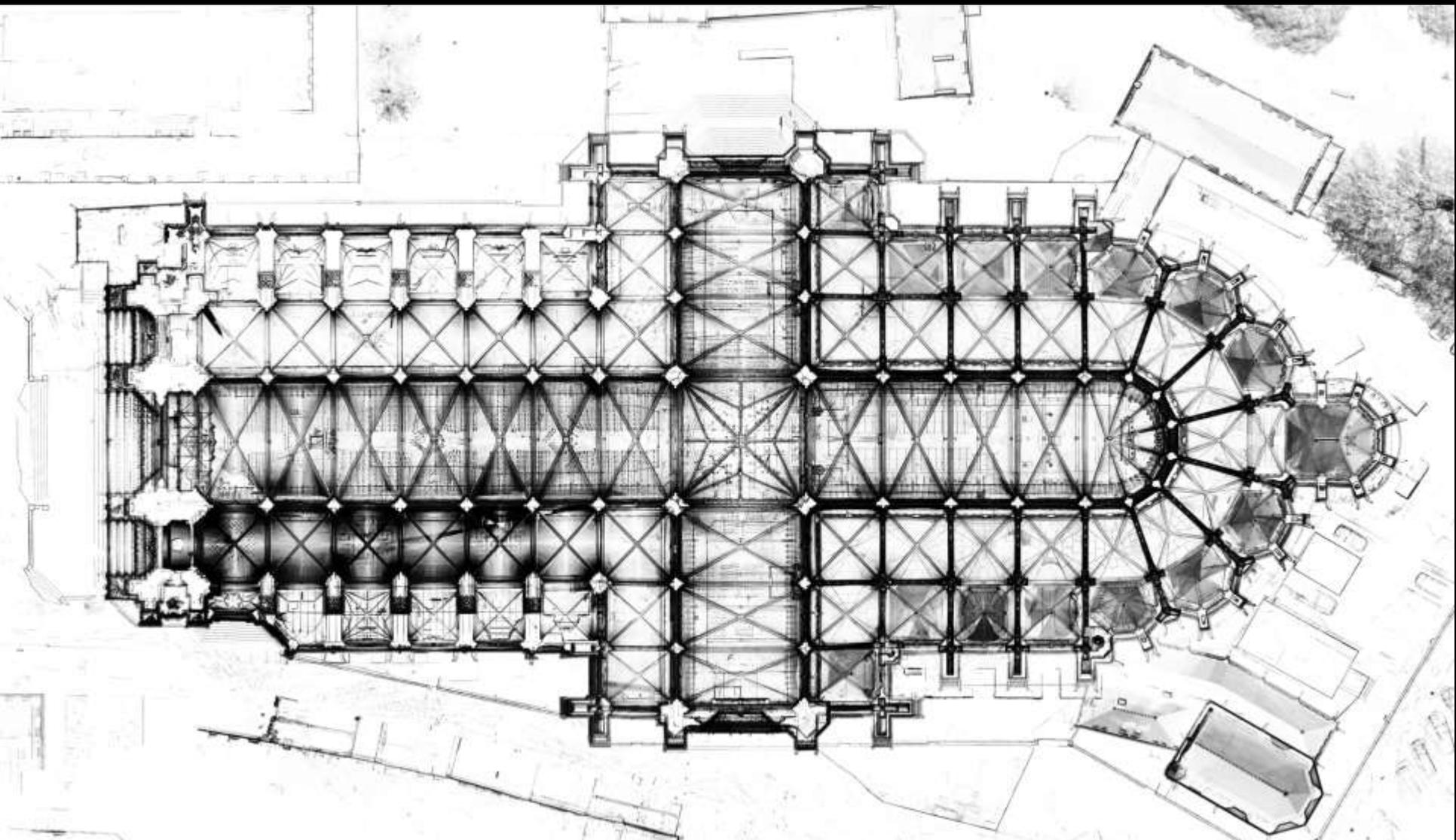




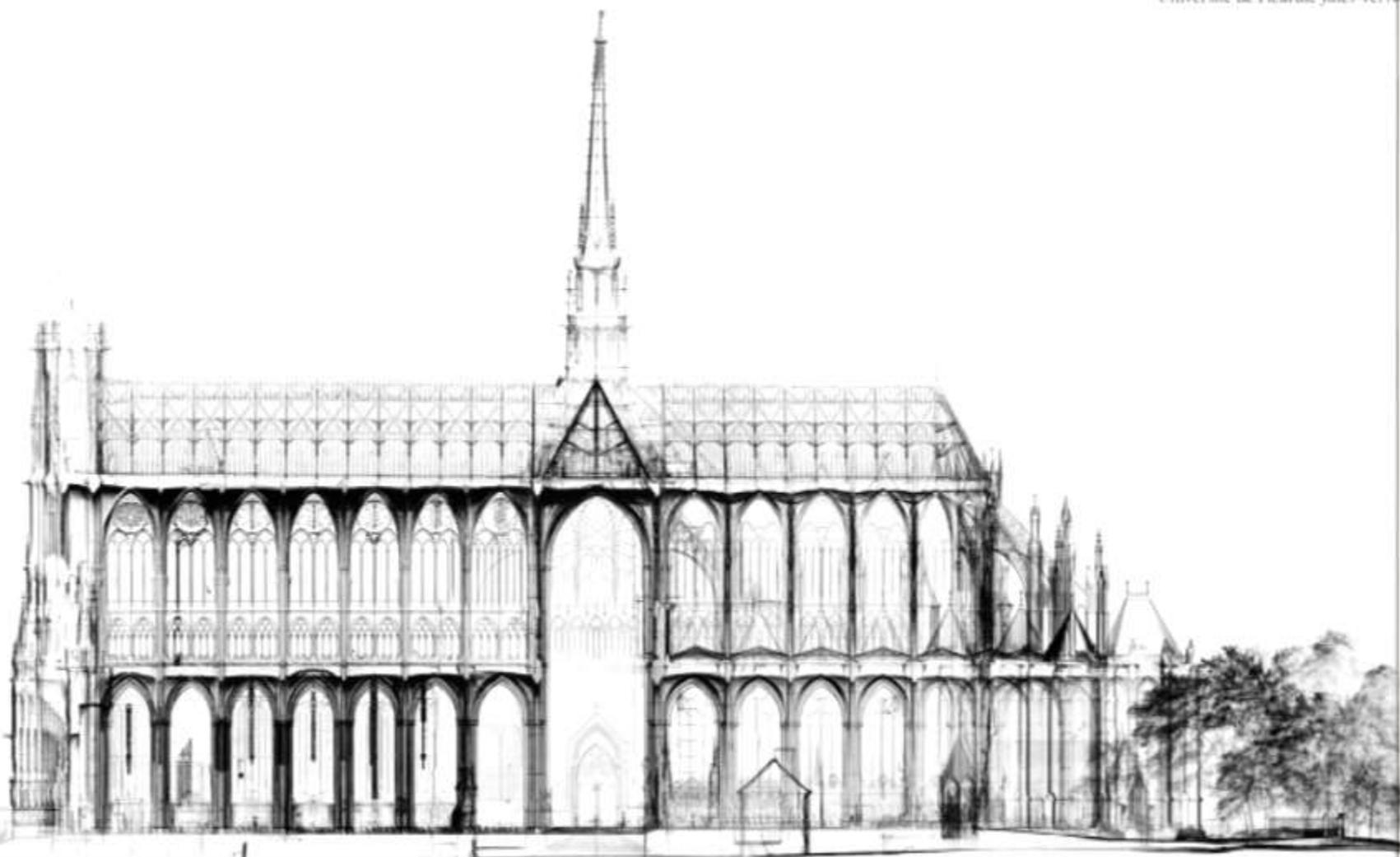


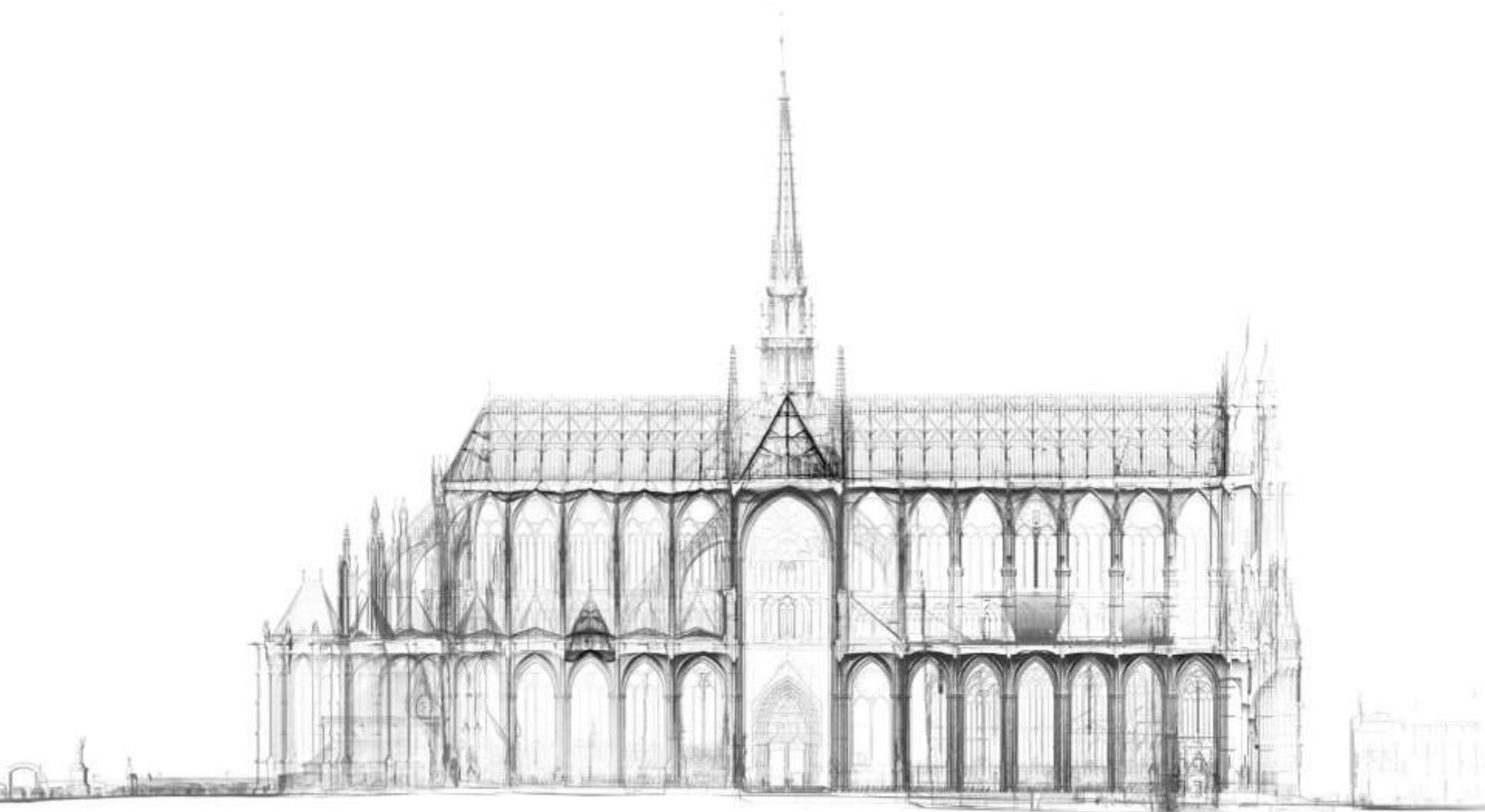




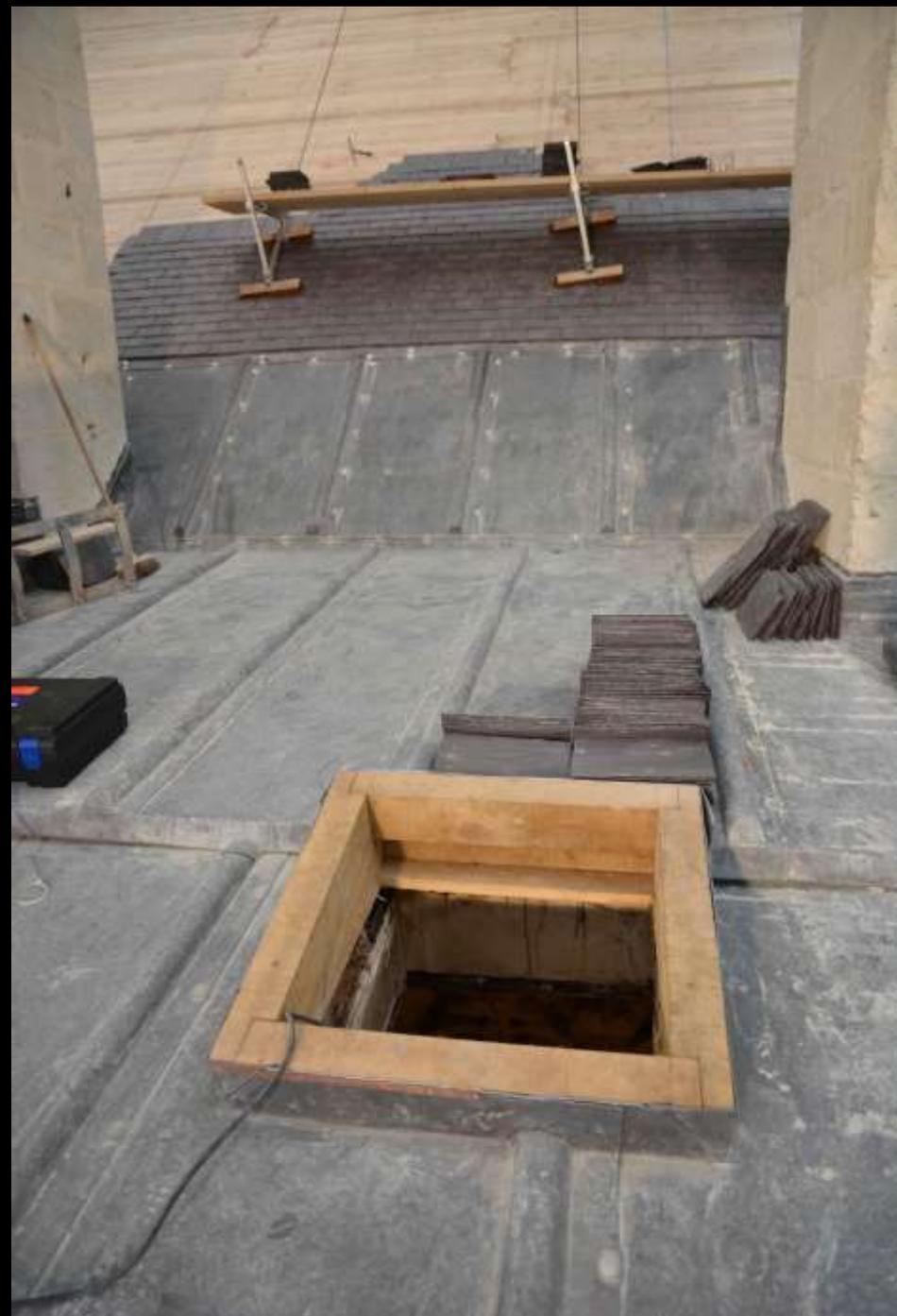


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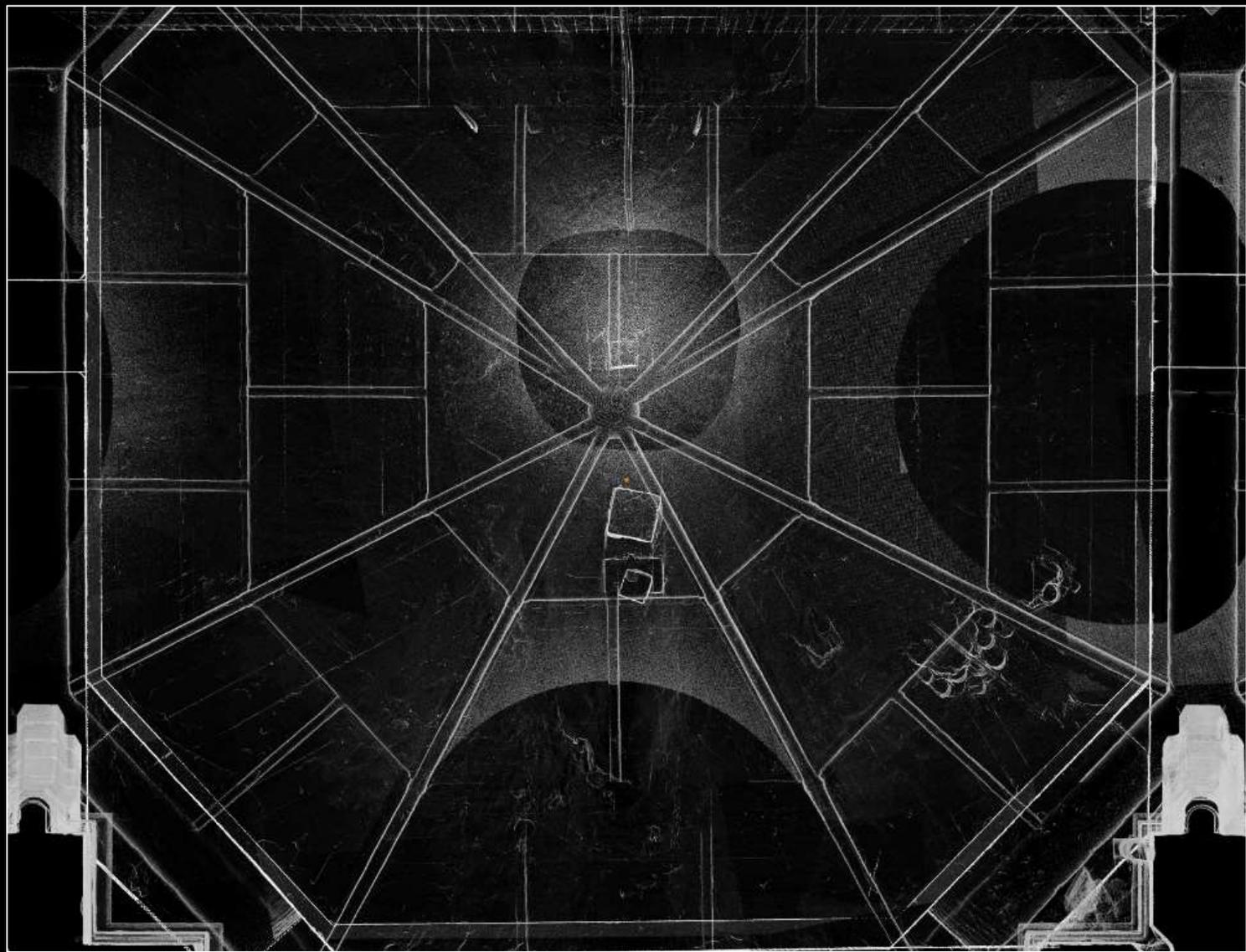










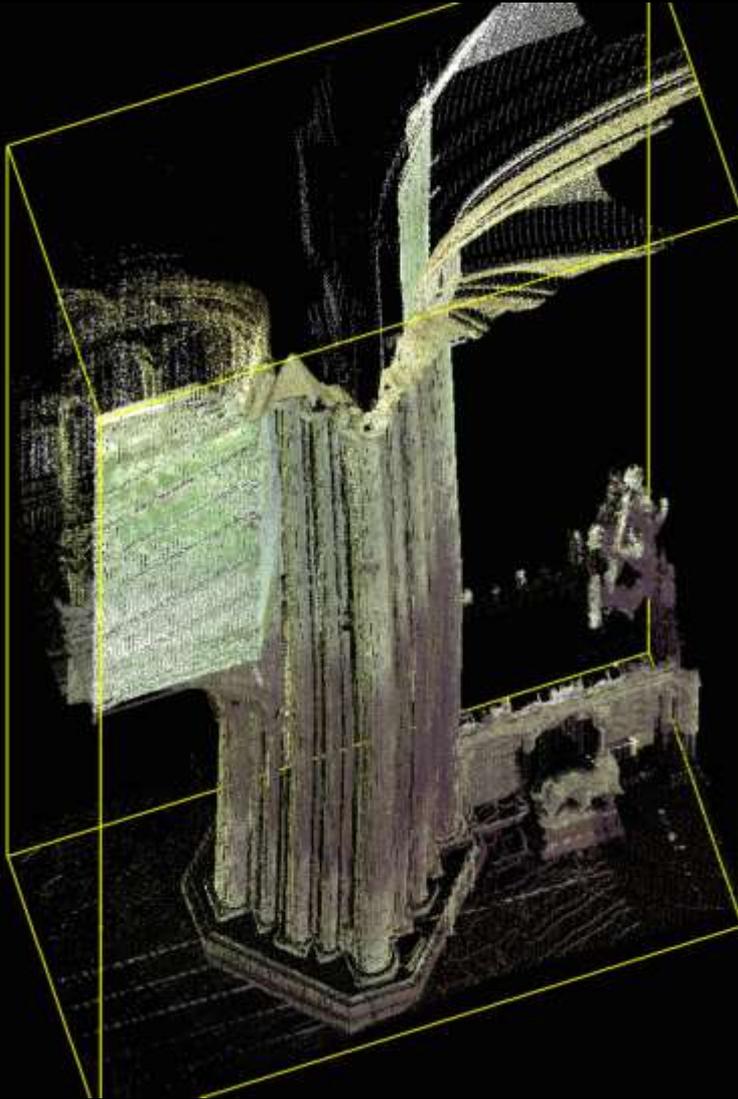


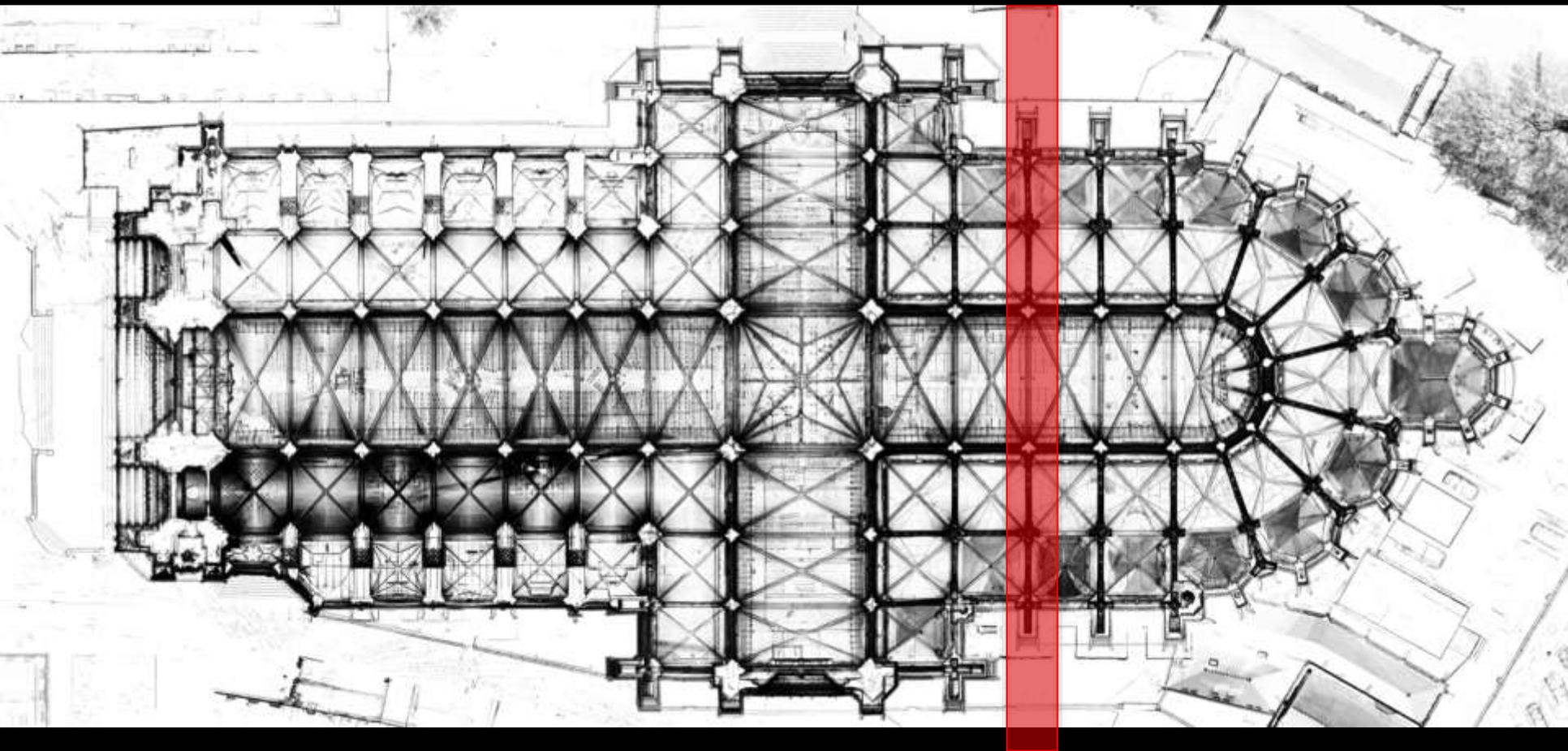


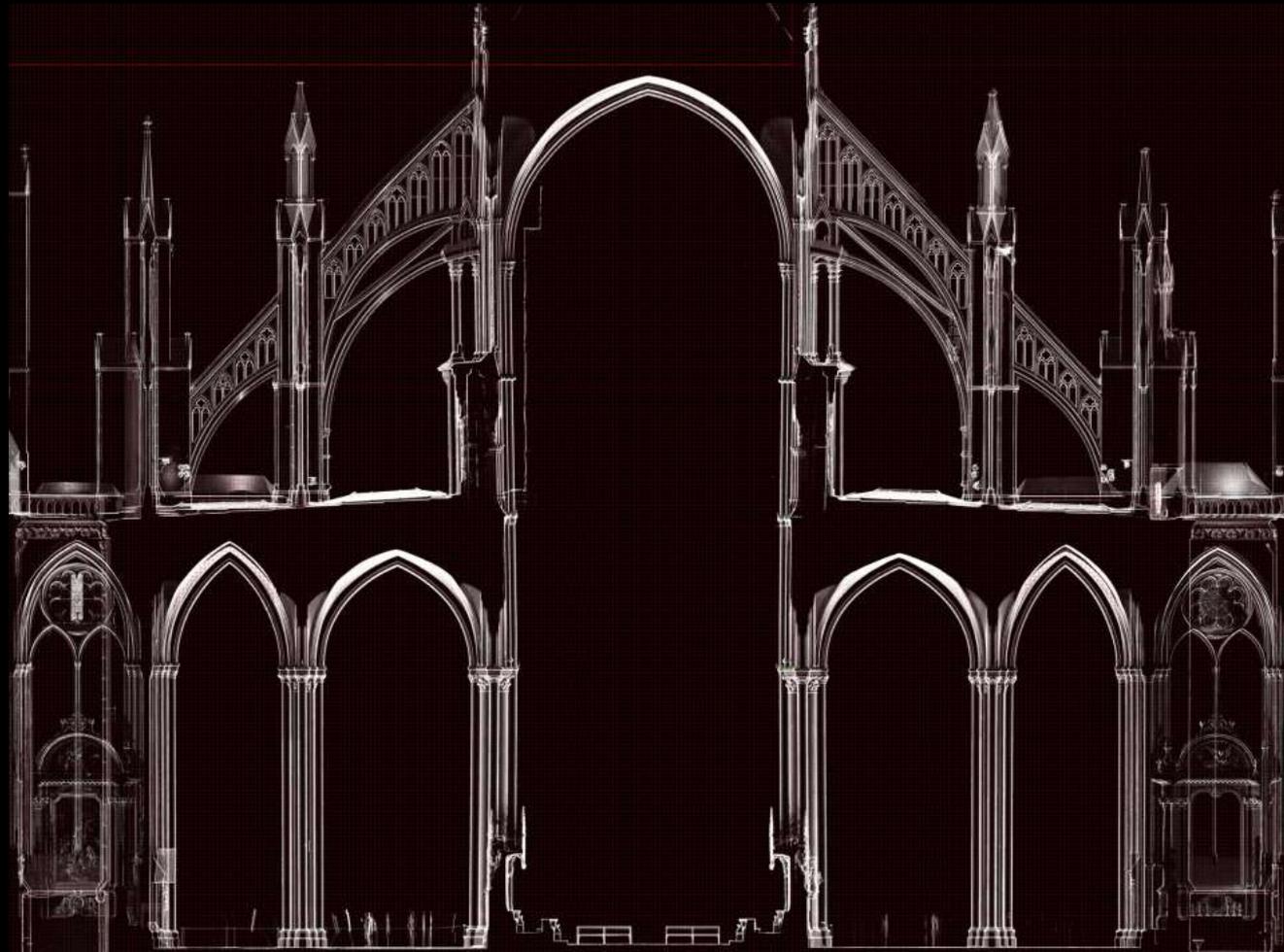
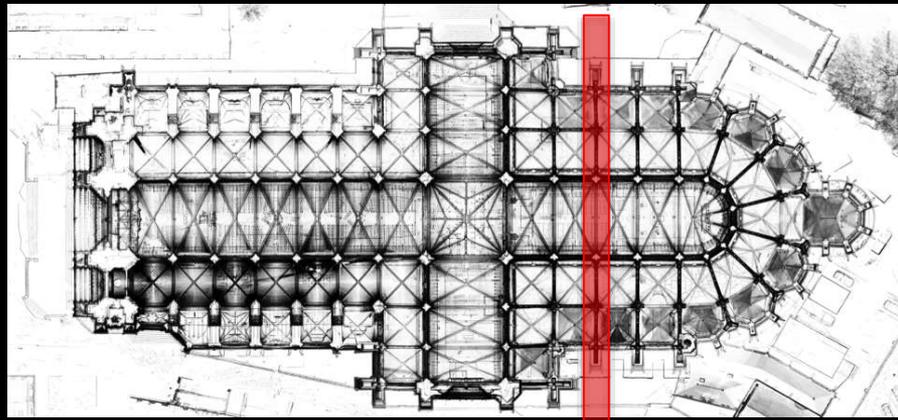
# Pilier nord-est du transept

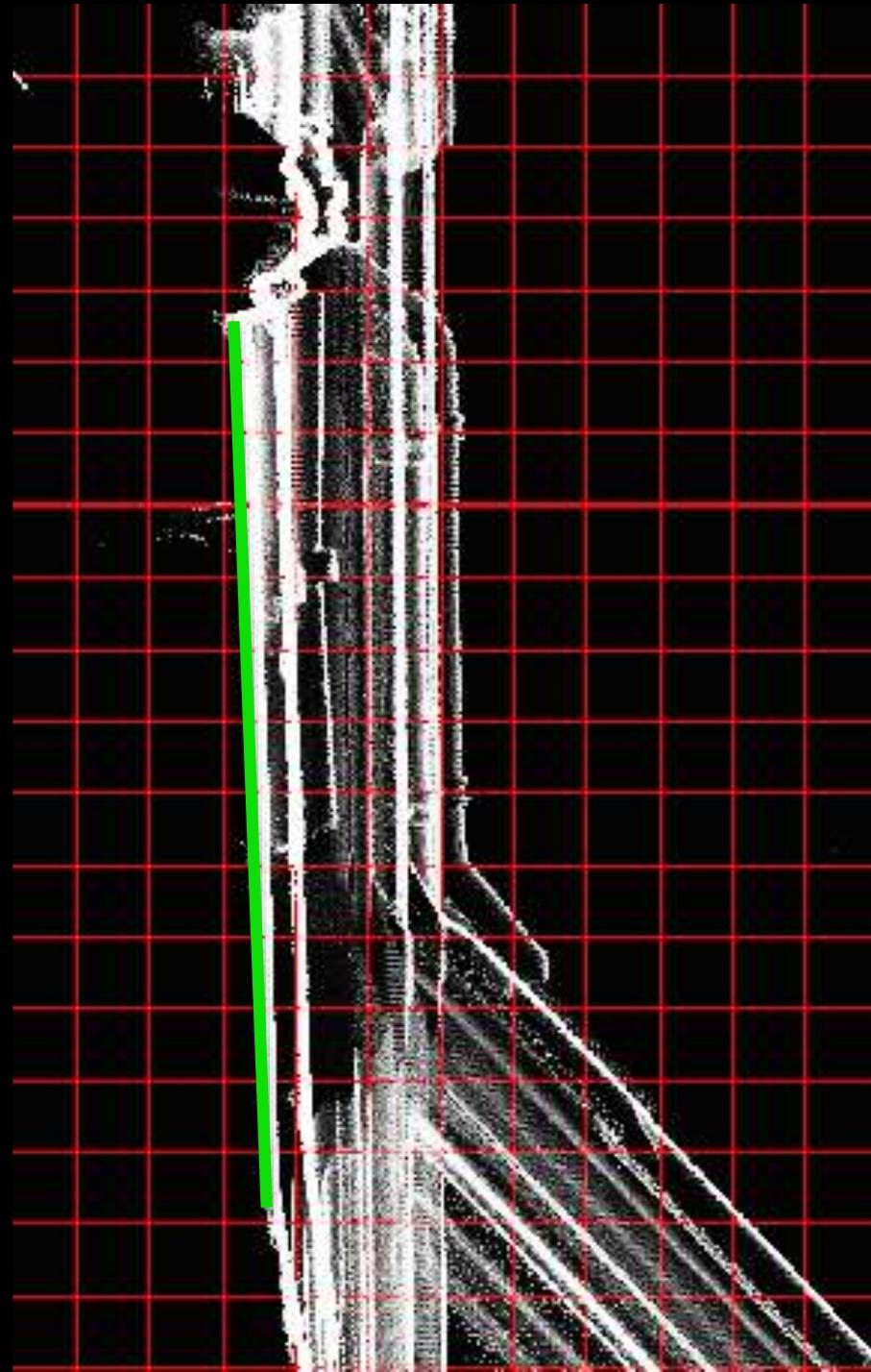


# Extrait du modèle 3D

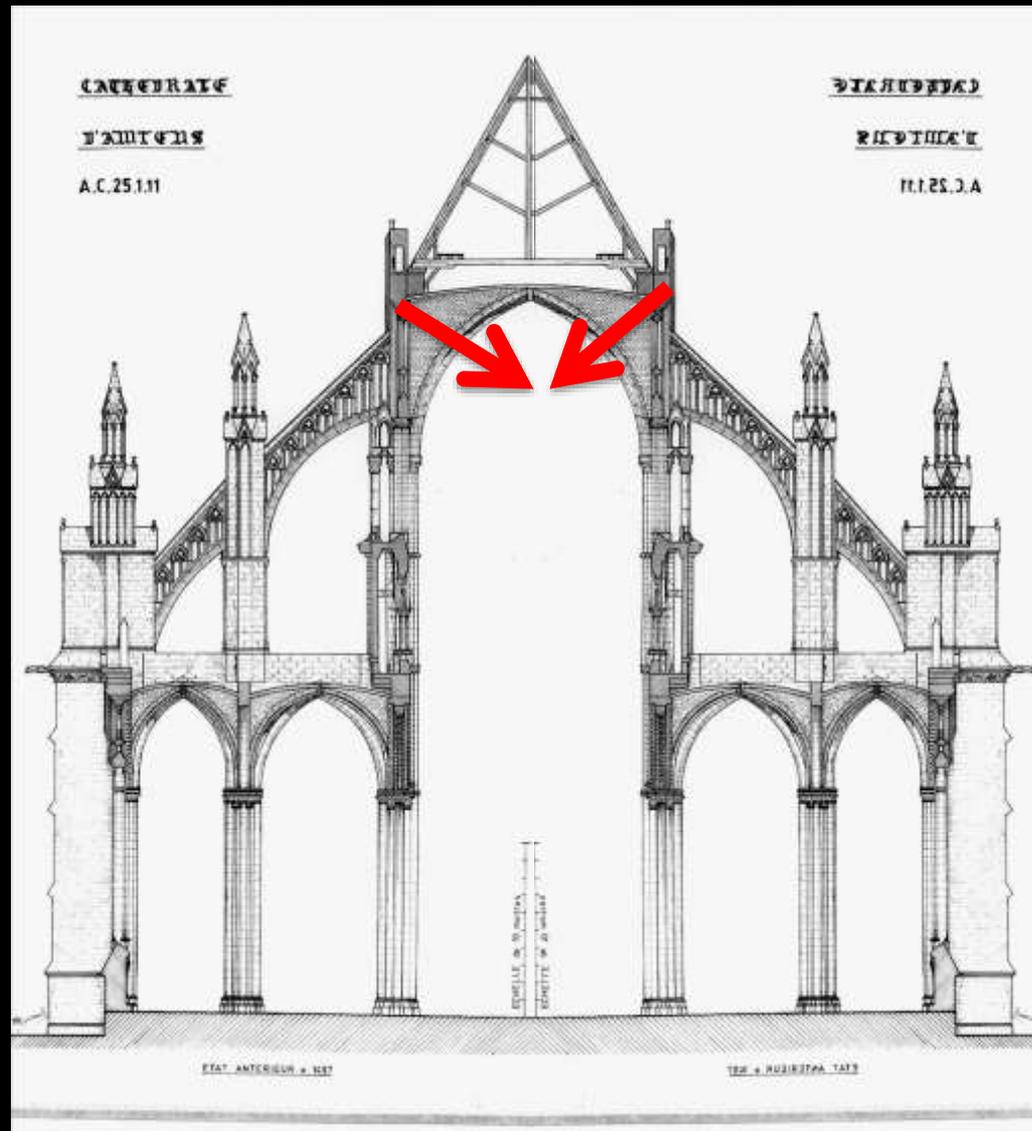


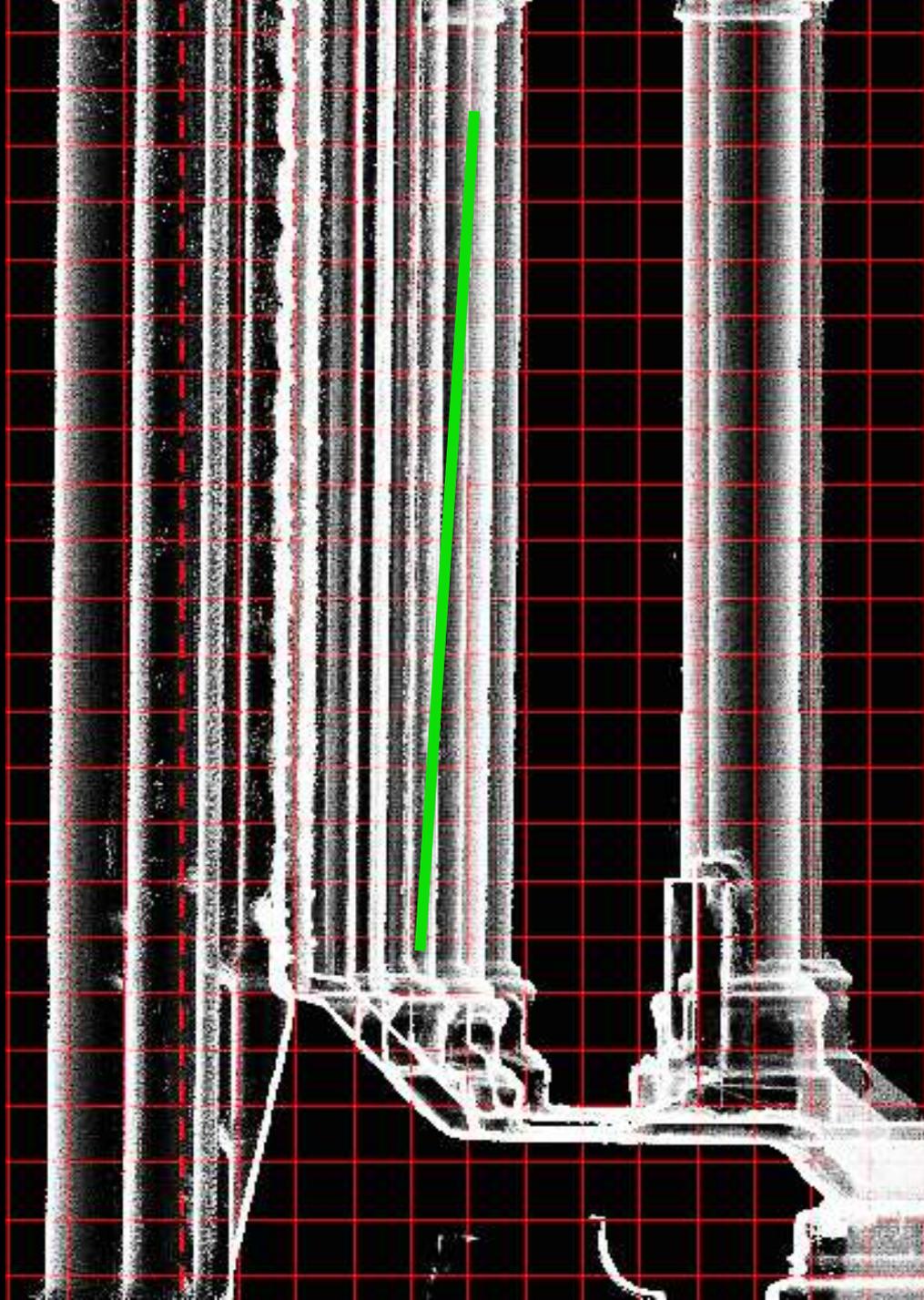
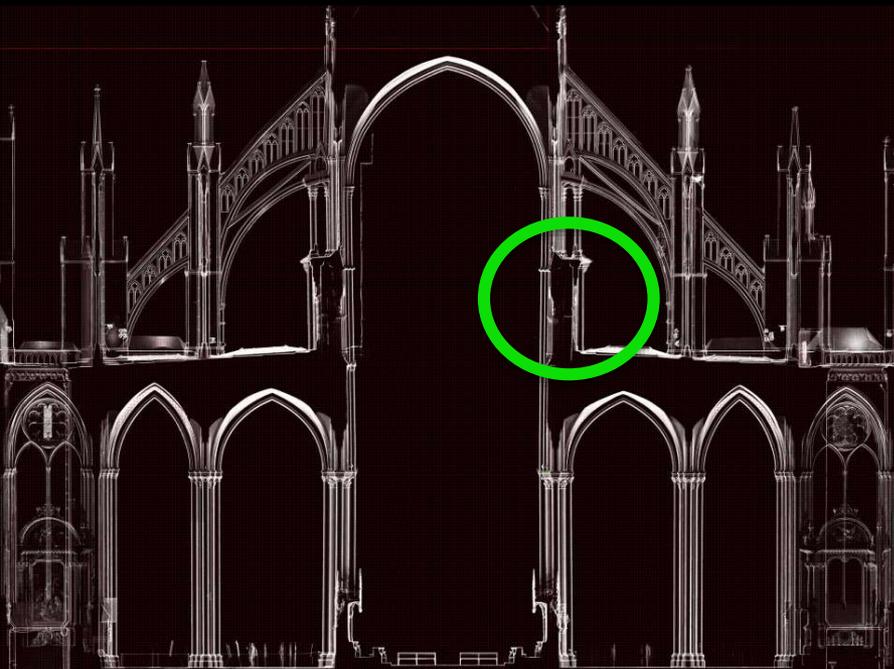




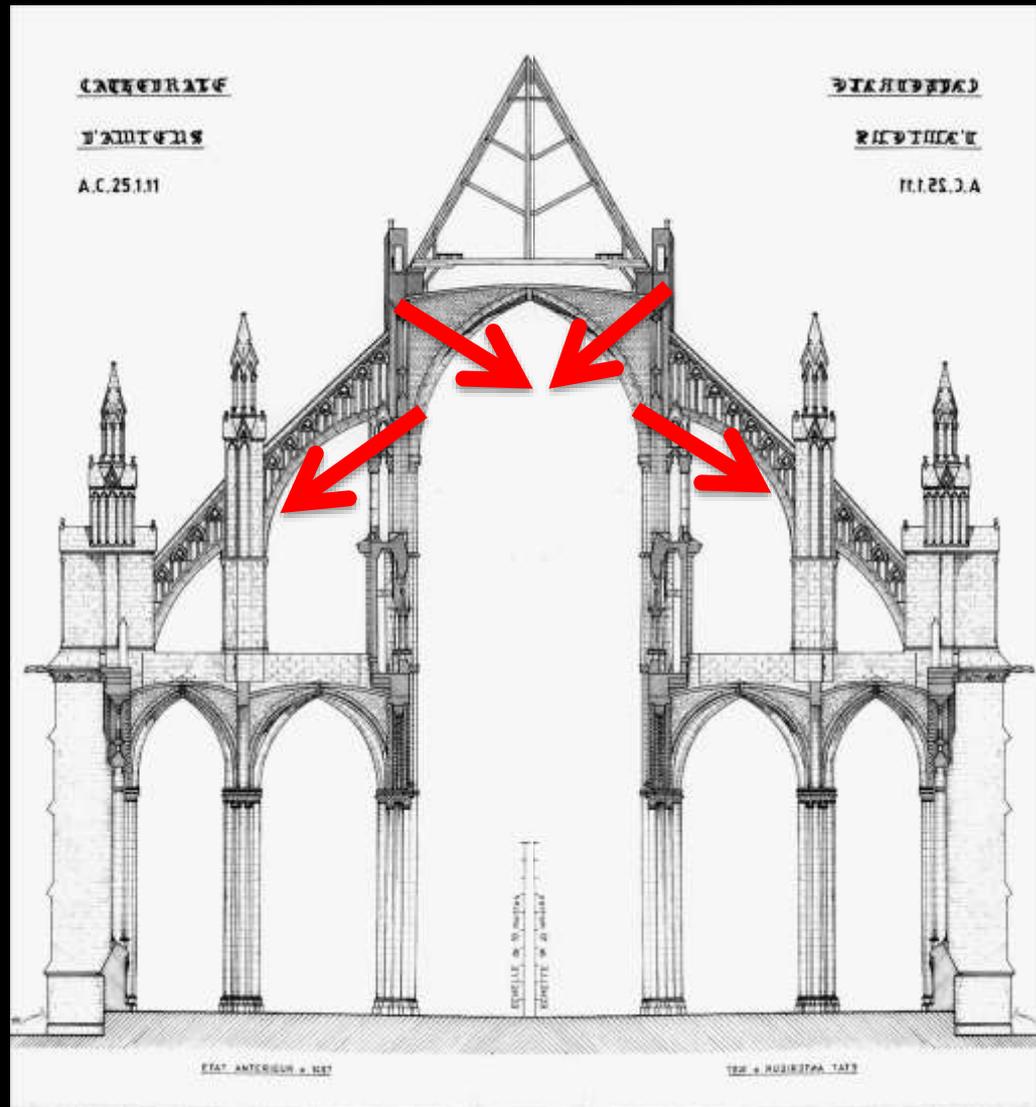


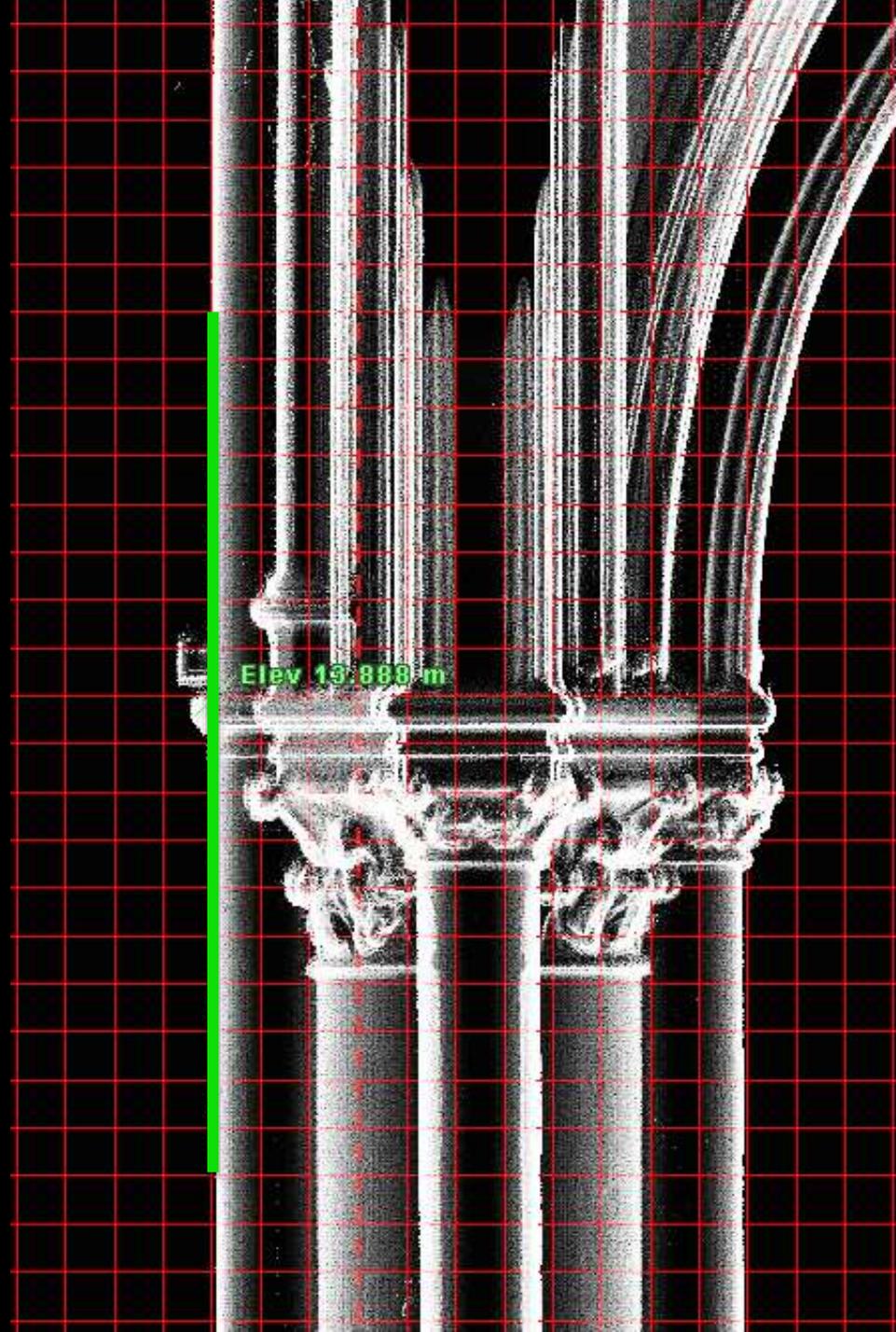
The flying buttresses were placed too high by Renaud de Cormont (the 3rd architect)

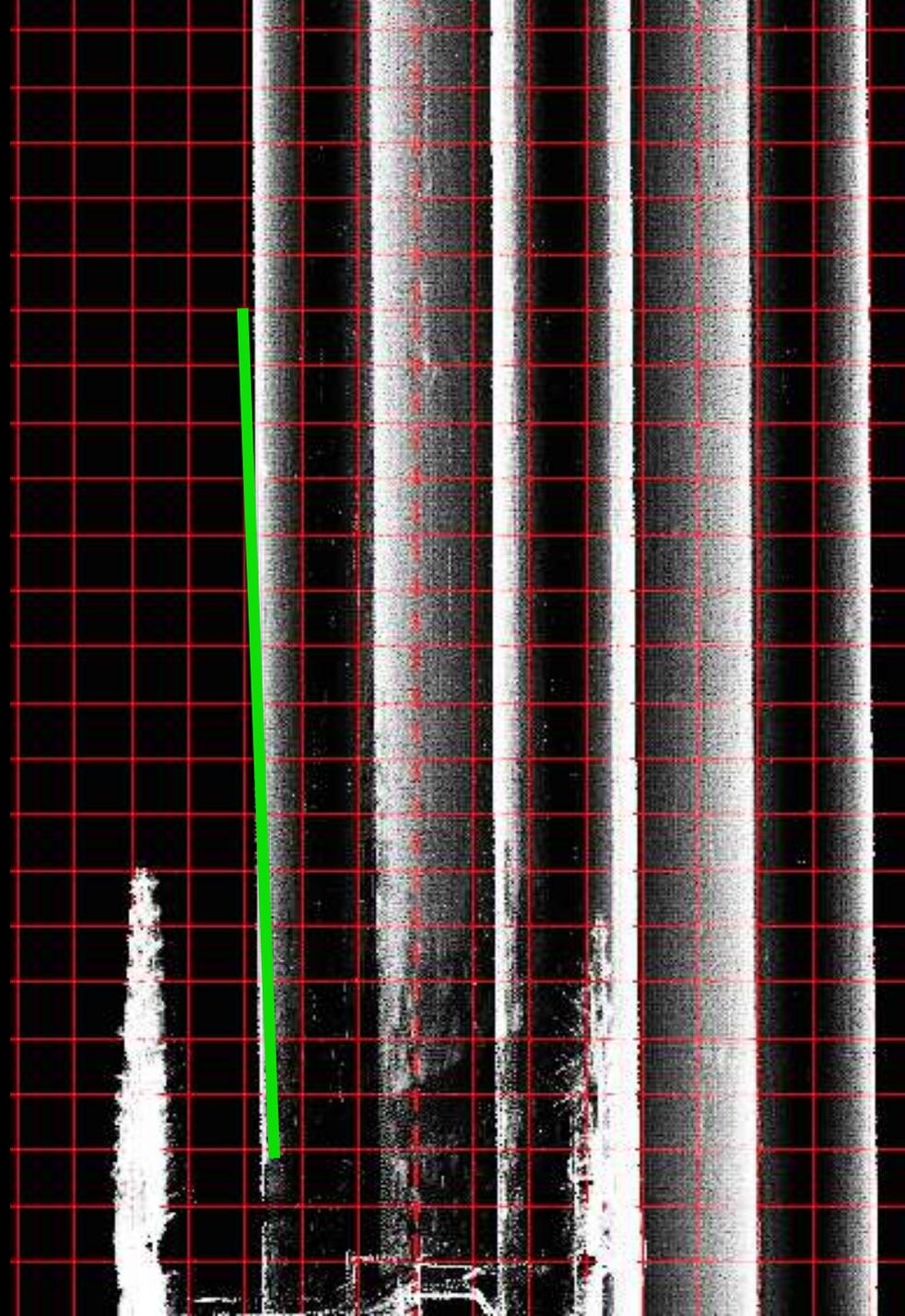


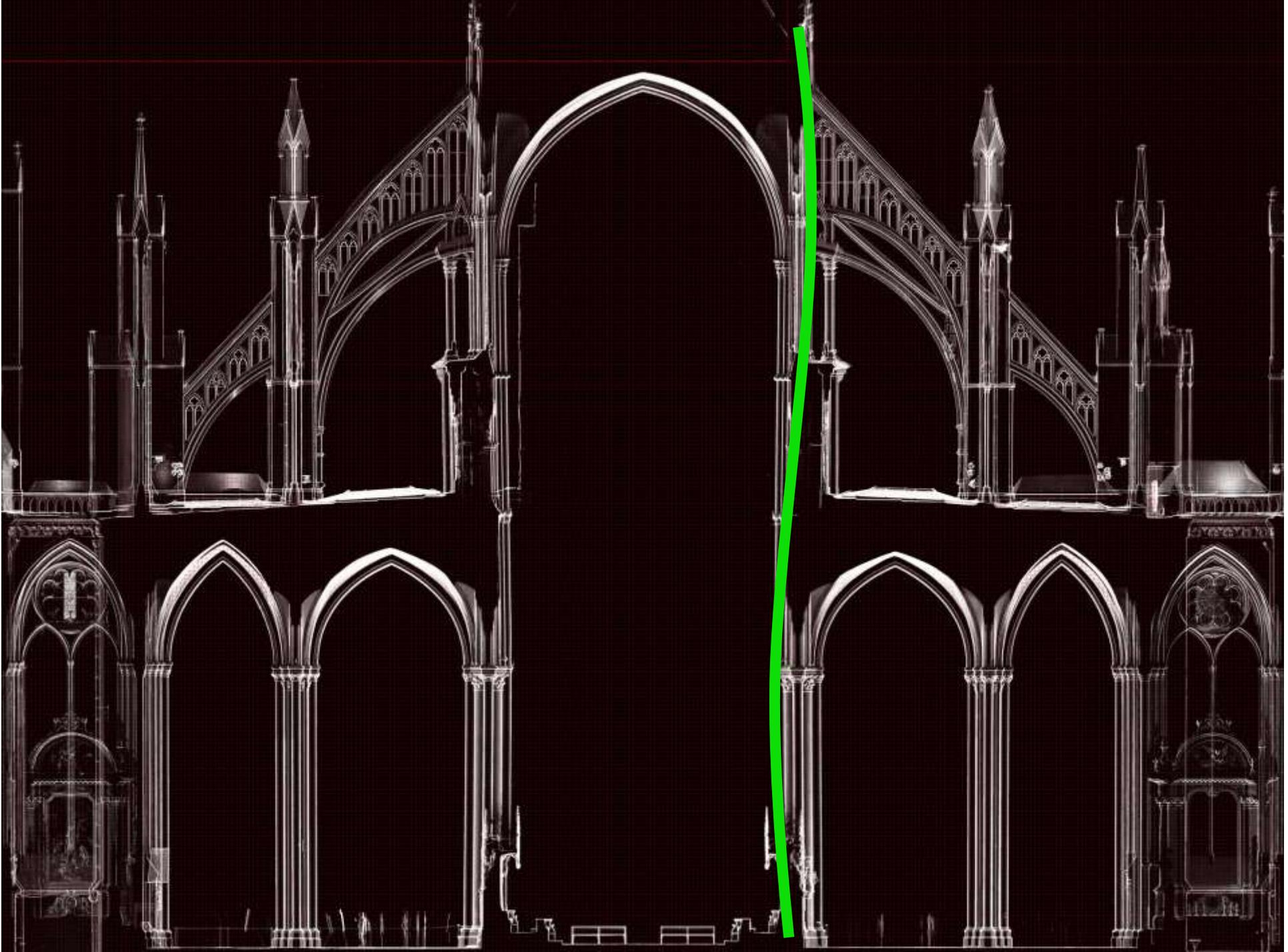


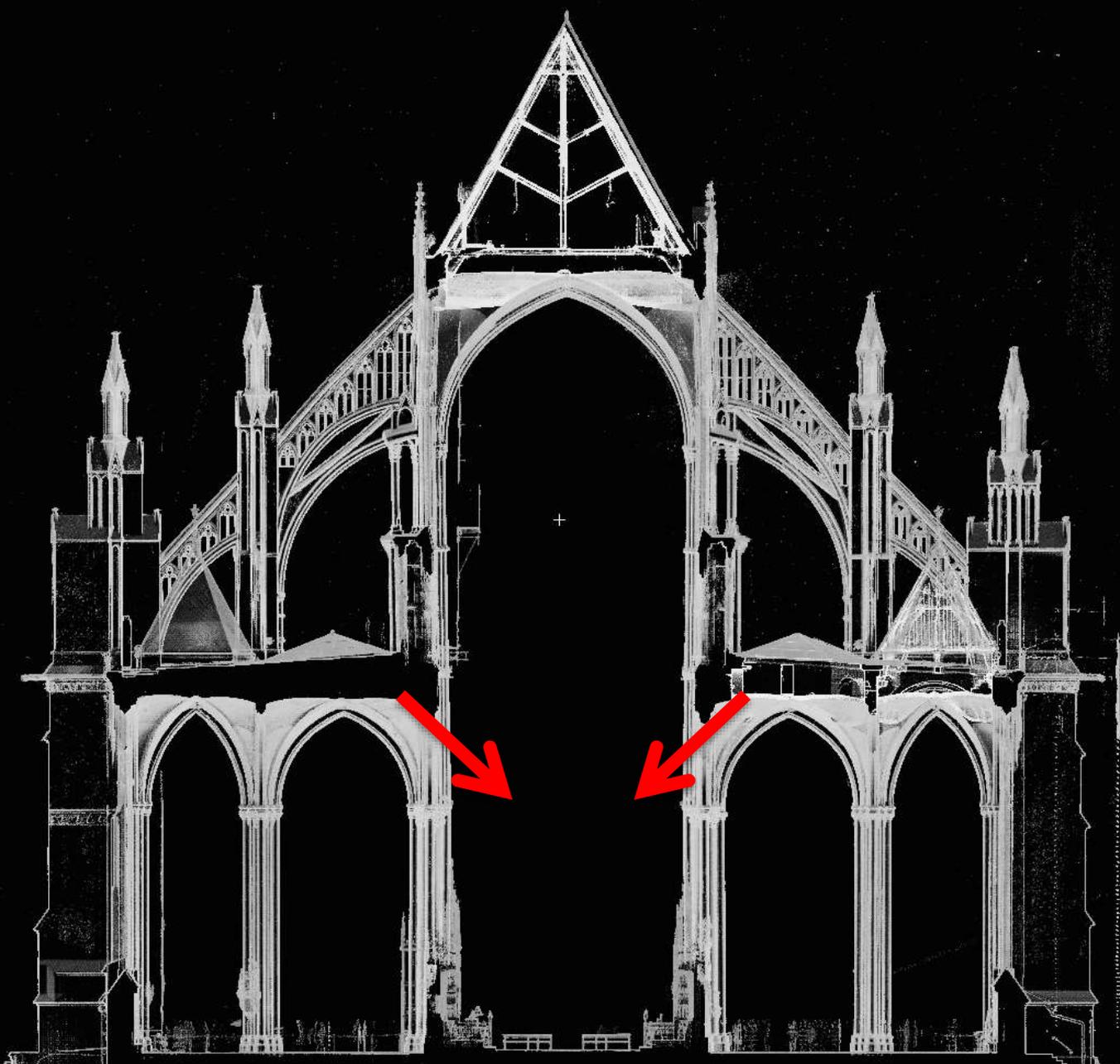
The flying buttresses were placed too high by Renaud de Cormont (the 3rd architect)









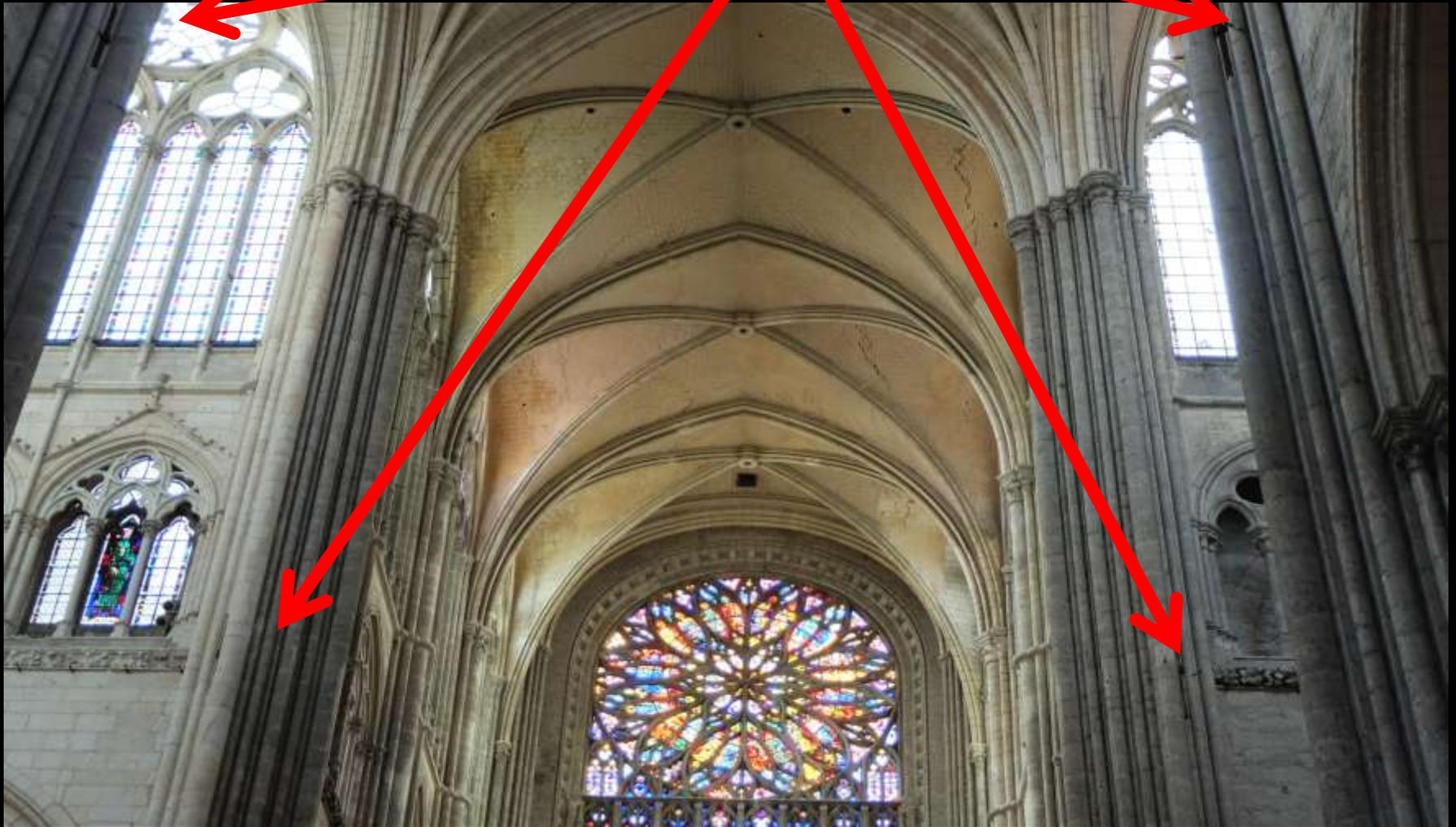


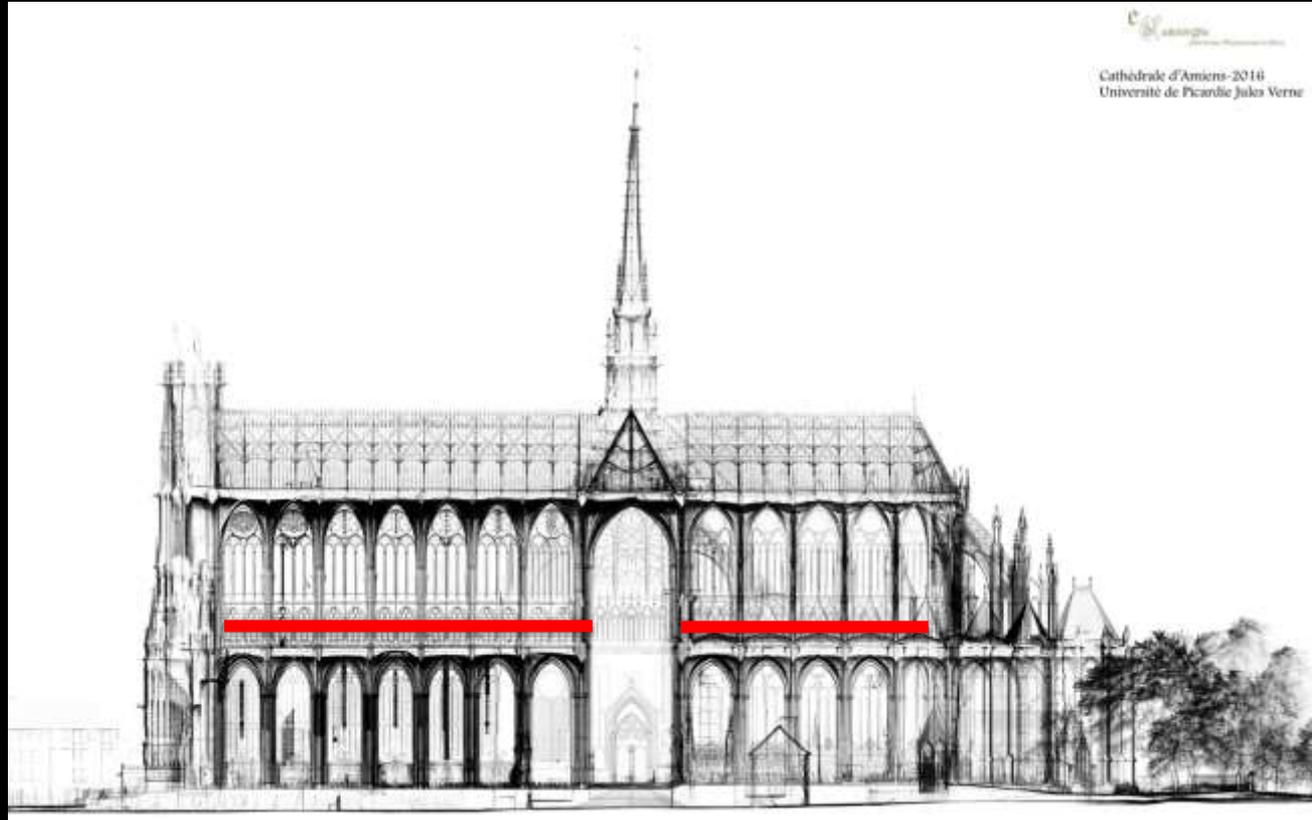
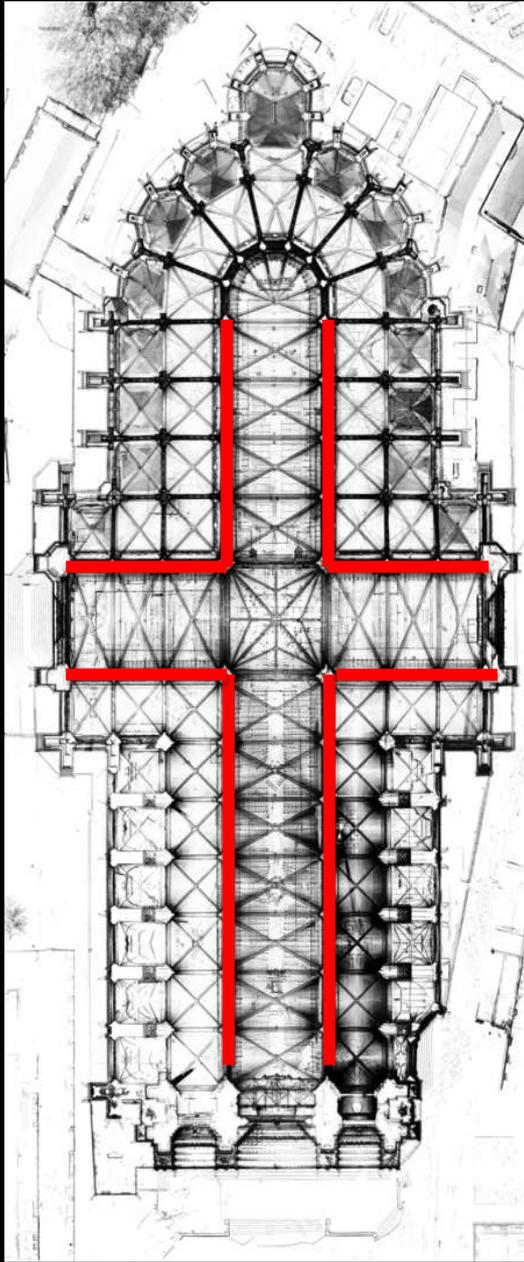


# Doublement des arcs boutants.

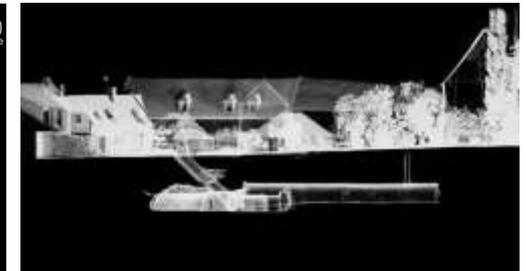
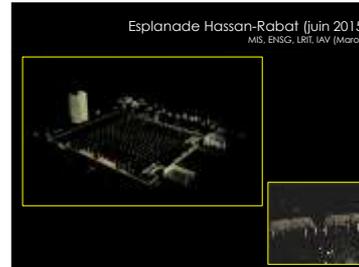
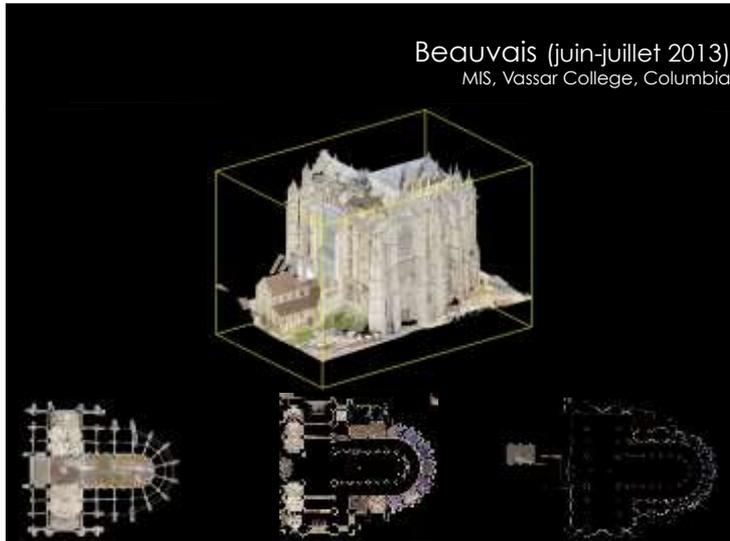


And they a chain of iron (called fer d'Espagne)





# Production de modèles



2010

2011

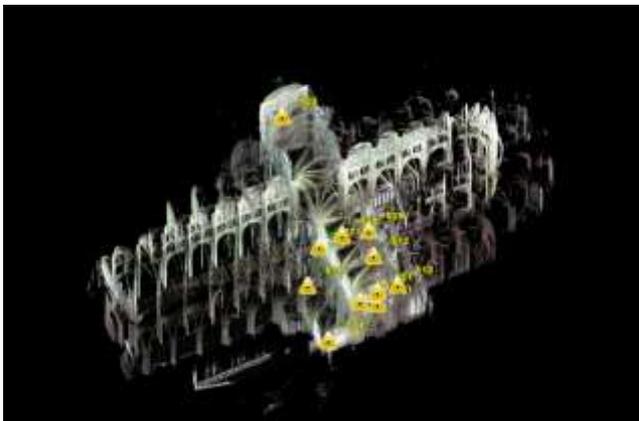
2012

2013

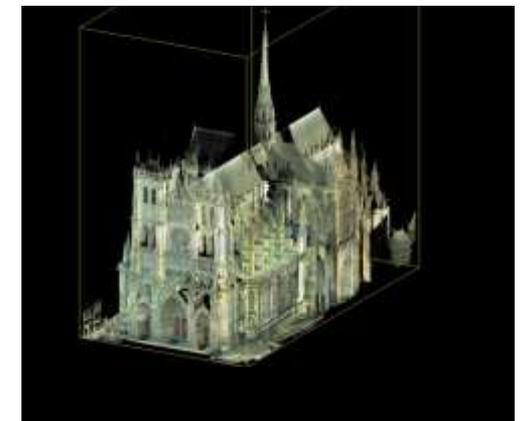
2014

2015

2018



...

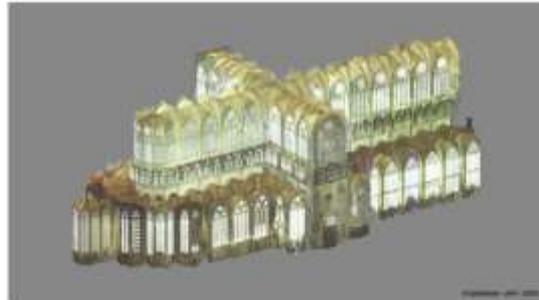


# Remerciements

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- IGN et ENSG
- Les nombreux étudiants
- Les financeurs
- Et les partenaires



<https://mis.u-picardie.fr/e-cathedrale/>



Bienvenue sur le site E-Cathédrale...

E-Cathédrale est un programme pluridisciplinaire, de recherche et de développements prévu jusqu'en 2025. Il vise la conservation, l'amélioration de l'accessibilité et la production de nouvelles connaissances sur le patrimoine monumental et ce, par le numérique.

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Reportage France 3 Picardie (juin 2015)



