

6G : L'après 5G



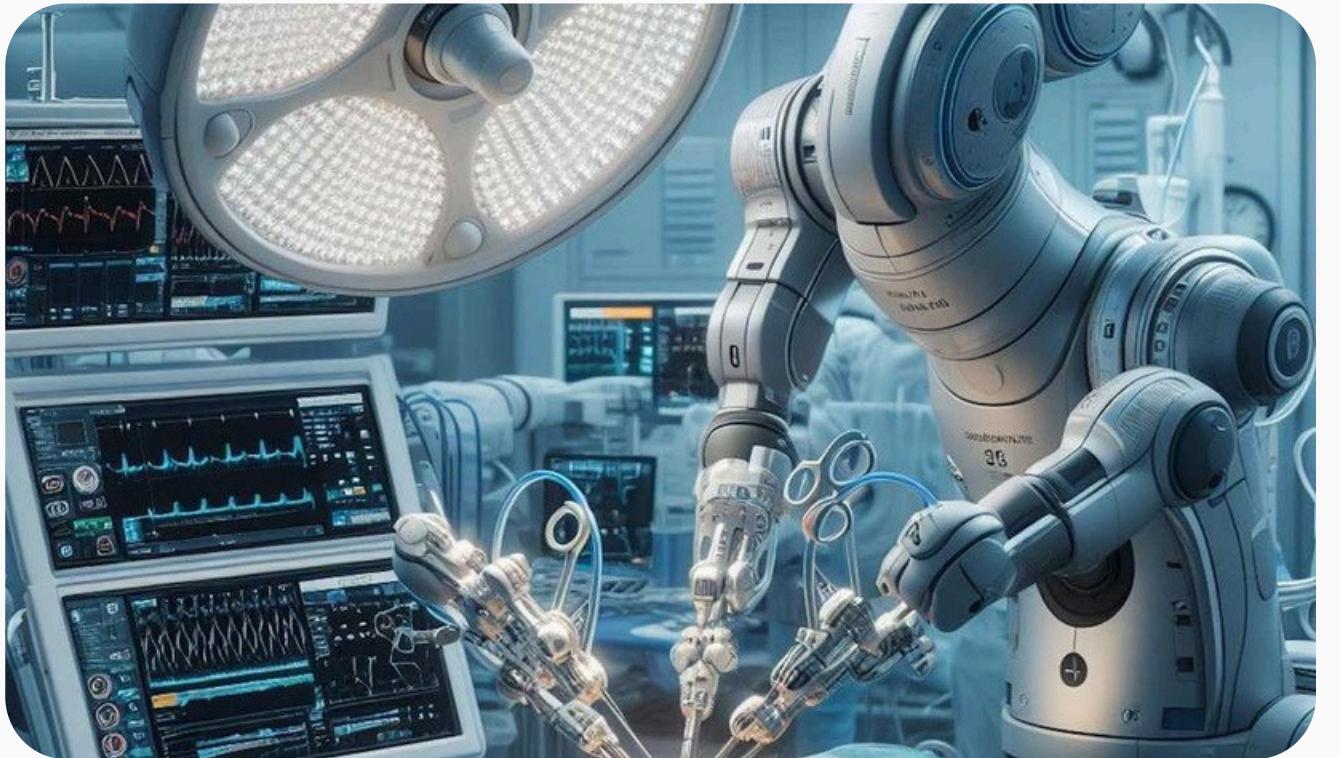
SOMMAIRE

- 1 Evolution
- 2 Exemple d'applications concrète
- 3 Réseaux
- 4 Cas innovants
- 5 Impact sur les infrastructures
- 6 Défis & opportunités
- 7 Enjeux juridiques & économiques
- 8 Ressources
- 9 Outils

Évolution des réseaux : de la 5G à la 6G

Critère	5G	6G
Vitesse	Jusqu'à 10 Gbps	Jusqu'à 1 Tbps
Latence	1 ms	< 1 ms
Fréquence	Jusqu'à 100 GHz	Jusqu'à 10 THz
IoT	Connecte des millions d'appareils	Connecte des milliards d'appareils
Applications	Streaming 4K, IoT avancé	Réalité augmentée immersive, communication holographique, IA intégrée

Latence ultra-faible pour des applications critiques



Chirurgie à distance

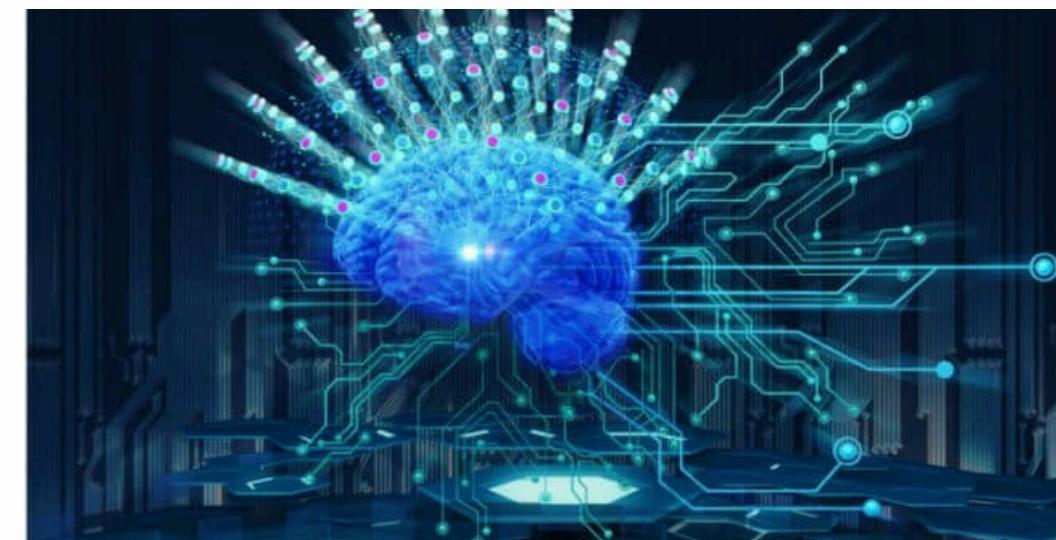
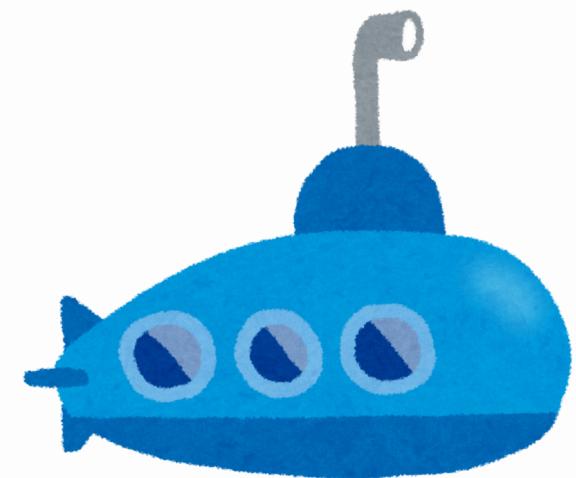
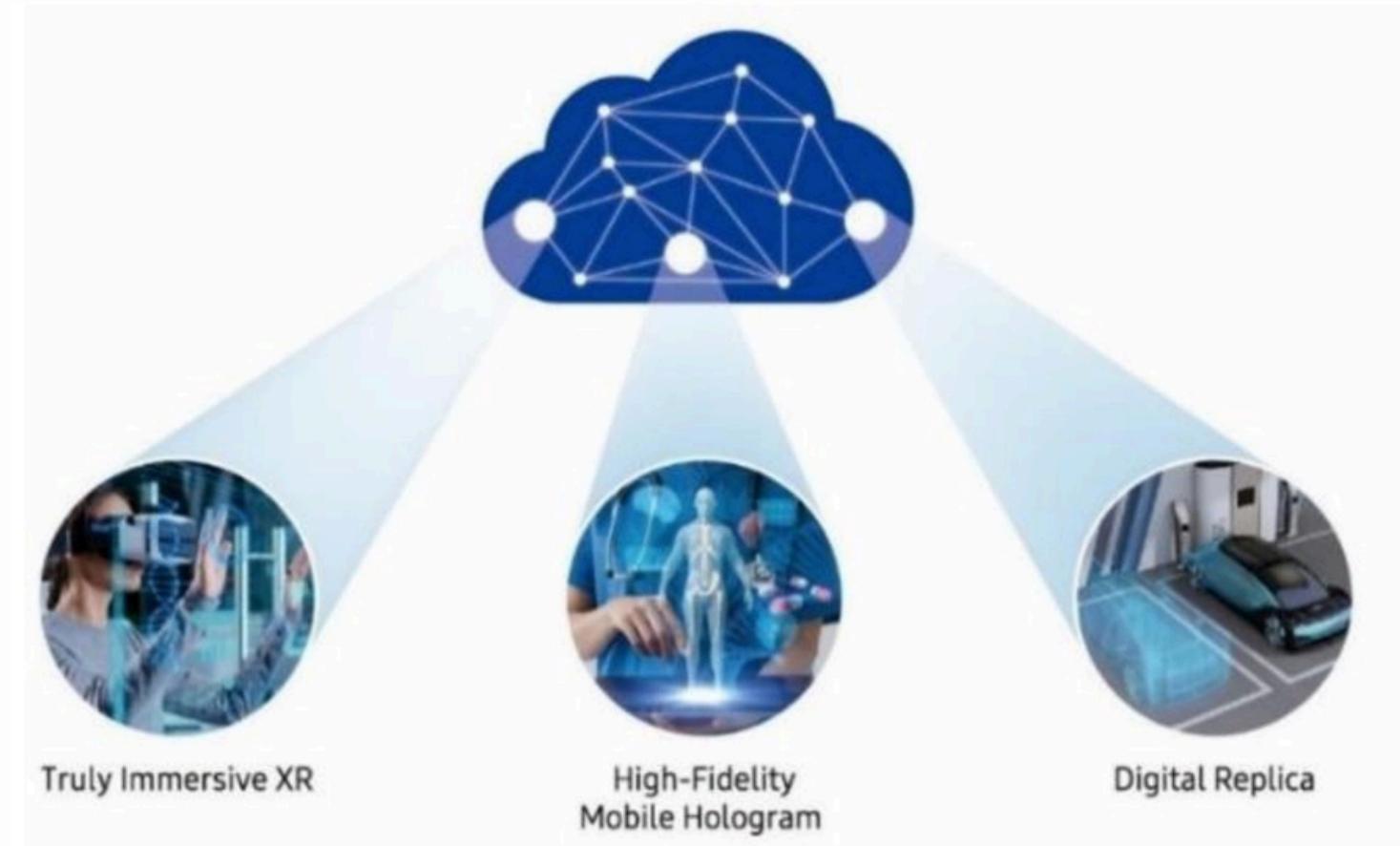


Véhicules Autonomes

Réseaux Intelligents et Autosuffisants



Cas d'utilisation innovants de la 6G



Impact sur les Infrastructures Réseau

Une meilleure gestion des données massives



Inconvénient & Défis



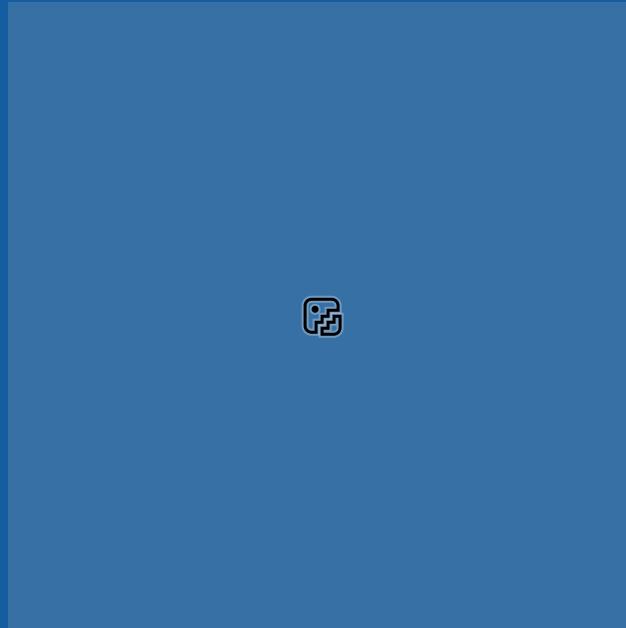
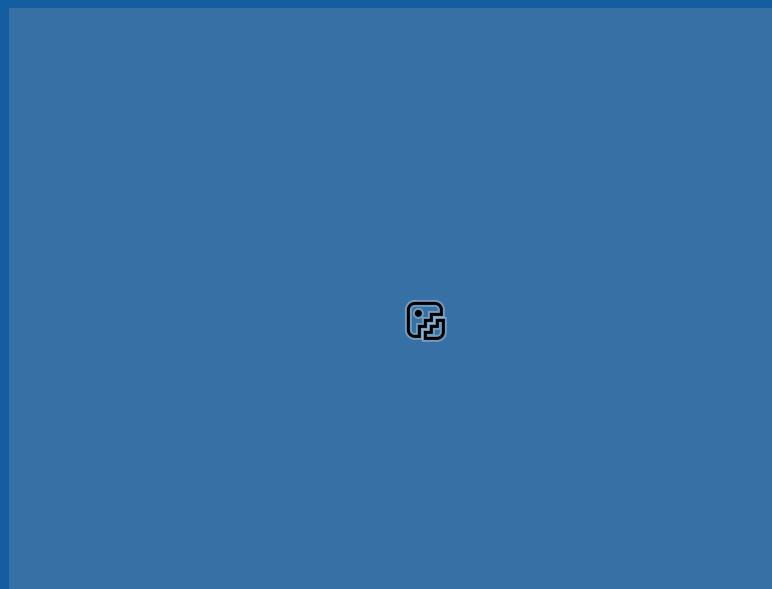
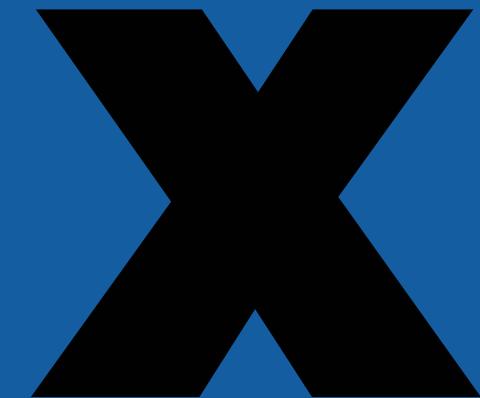
Enjeux



Sources

What is 6G, if anything? A guide to what to expect, from whom, and when | ZDNET If there is to be a "6G Wireless," its proponents will need to learn some significant lessons from the era of 5G. Already, 5G Wireless as a market strategy is ...
Do we need 6G wireless already? 5G engineers debate | ZDNET The race to 6G has already begun, according to a certain head of state. This while 5G firms in China may be helping other countries to race ahead. <https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://www.thefastmode.com/technology-solutions/37196-huawei-s-dr-tong-wen-outlines-6g-vision-at-ieee-pimrc-conference%23:~:text%3D6G%2520architecture%2520should%2520drive%2520continuous,overlapping%2520or%2520duplicating%25205G%2520technologies.&ved=2ahUKEwj14qTF1qSJAxUHRaQEHa67Lw4QFnoECBMQAw&usg=AOvVaw1Glwsw8emQjlrgRbaiwLJ 9>
<https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://ieeexplore.ieee.org/document/9509294&ved=2ahUKEwjLufTY1qSJAxWmfqQEHVdxJlcQFnoECBYQAQ&usg=AOvVaw2WIGOLXpCjG3w4wzjOxwju> <https://www.google.com/url?sa=t&source=web&rct=j&opi=89978449&url=https://www.ericsson.com/en/6g%23:~:text%3DFrom%2520our%2520perspective%2520at%2520Ericsson,networks%2520and%2520network%2520compute%2520fabric.&ved=2ahUKEwidgrbu1qSJAxWBfqQEhbNfJBoQFnoECBMQAw&usg=AOvVaw2KJXZLqCIWCvCDESvD-wwX>
<https://www.imec-int.com/en/articles/6g>
<https://www.ladepeche.fr/2024/09/22/un-chirurgien-opere-son-patient-qui-se-trouve-a-8-000-km-de-distance-12213603.php>
<https://www.lebigdata.fr/internet-of-senses-tout-savoir>
<https://economictimes.indiatimes.com/news/new-updates/6g-network-launch-what-we-know-so-far/articleshow/98158288.cms?from=mdr>

Outils utilisés



Merci