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**Topic:** UAV, the workhorse in construction

1. **Introduction:**   
    Having the advantage of small, light, and safe, UAV (Unmanned aerial vehicle) has been rapidly adopted in the heavy civil construction industry. DJI Matrice300 RTK is a drone especially powerful in infrastructure inspection by proving scanning data to the engineers.
   1. **Key words:**
      1. UAV
      2. Construction industry
      3. High freedom
      4. Accurate and real-time information
   2. **Significance:**

UAV has been used in various fields especially in construction industry, which shows its advantage of small and light, low noise, energy saving, ability to shoot from multiple angles and high distinguishability image.

1. **Main points:** 
   1. The influence from UAV is mainly on construction industry, workers and engineers.
   2. UAVs have been modified to meet needs in different fields.
   3. UAV can avoid dangerous work and provide accurate inspection.
2. **Conclusion:** 
   1. UAV is a workhorse which greatly promotes the efficiency. With accessories, they can provide multiple solutions to different fields in construction.
   2. By looking at DJI Matrice 300 RTK, we see the trend of applying data analysis, internet, and digital data to force concentrated disciplines like civil constructions.
3. **Sources:**

1. <https://store.dji.com/cn/product/matrice-300-rtk-and-dji-care?vid=103131>

2. <https://www.dji.com/cn?from=store_top_nav>

3. <https://www.forconstructionpros.com/construction-technology>

4. https://www.bigrentz.com/blog/drones-construction