# **The Ethiopian Airlines Boeing 737 Max Crash 2019The Ethiopian Airlines Boeing 737 Max Crash 2019**

**Key Issues**

* Automation in aircraft and associated issues
* Responses to market competition
* The role of regulatory bodies

**Background Information**

All group members should read/view the following texts/video coverage:

1. Breaking news about the crash from the BBC (main points in first 2 minutes)  
   <https://www.youtube.com/watch?v=nOIfgmp5Mic>

<http://streaming.cle.ust.hk/media/courses/lang2030/2019_spring/case1_1.mp4>

1. A brief summary of the main issues as they emerged just after the crash  
   <https://www.youtube.com/watch?v=0kgG03pVQRg>

<http://streaming.cle.ust.hk/media/courses/lang2030/2019_spring/case1_2.mp4>

1. FAA’s response after the accident  
   <https://www.faa.gov/news/updates/?newsId=93206>

**Case Materials**

Go through the following case materials and decide how you will divide up the reading and organize group sharing of information. You are also encouraged to read more widely around this topic.

1. A journalistic summary of the case  
   <https://www.theverge.com/2019/3/22/18275736/boeing-737-max-plane-crashes-grounded-problems-info-details-explained-reasons#OZBeZZ>
2. 737 Max crash preliminary report  
   <https://flightsafety.org/wp-content/uploads/2019/04/Preliminary-Report-B737-800MAX-ET-AVJ.pdf>
3. Technical Description of MCAS (Pre-2019)

<http://www.b737.org.uk/mcas.htm#techdes>

1. The regulatory body’s role in the accident  
   <http://www.spacesafetymagazine.com/wp-content/uploads/2019/05/B-737-MAX.pdf>
2. Economic perspective: the accident as a result of product competition  
   <http://gtcenter.org/Archive/2019/Conf/Boyarchenko3284.pdf>
3. Software engineering as a way to work around regulations, and its potential danger  
   <https://spectrum.ieee.org/aerospace/aviation/how-the-boeing-737-max-disaster-looks-to-a-software-developer>
4. The drawbacks of automation  
     
   “Lessons must be learned”—But are they?  
   <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8738154>  
   (Off-campus access: <http://ezproxy.ust.hk/login?url=https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8738154>)  
     
   Are DevOps and automation our next silver bullet?  
   <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8738081>  
   (Off-campus access: <http://ezproxy.ust.hk/login?url=https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8738081>)