# **BDS MOVEMENT | UCL**

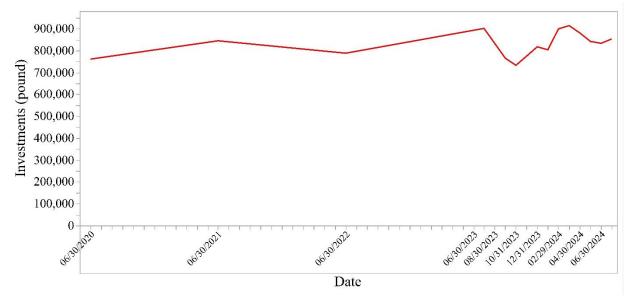
# UCL, Ametek & Complicity in Israeli Apartheid, Occupation & Genocide

#### Ametek & UCL

For at least the last four years, and despite its policy for Socially Responsible Investment,<sup>1</sup> UCL has invested approximately  $\pounds$ 800,000 in Ametek<sup>2</sup> (see Figure below) – a company with extensive involvement in the weapons industry. This links the university directly to the manufacture and sale of armaments used in the genocide against Gaza as well as in war crimes around the world.

UCL continued to hold investments in Ametek for at least the first 10 months of the Israeli genocide in Palestine. According to Freedom of Information (FOI) requests,<sup>3</sup> UCL's investments continued steadily throughout this period.

UCL's decision to remain invested in Ametek was made *after* ample evidence of war crimes committed using Ametek machinery in both Gaza and around the world. Staff and students have called out these links on socials<sup>4</sup> and at meetings with the Council, UCL's governing body, including on 15<sup>th</sup> October 2024.



<sup>&</sup>lt;sup>1</sup> <u>https://www.ucl.ac.uk/finance/sites/finance/files/sri\_policy\_revision\_jan20-withnote.pdf</u>

<sup>&</sup>lt;sup>2</sup> https://bdsatucl.com/wp-content/uploads/2024/11/ccla-ucl-portfolio-jul24.pdf; https://bdsatucl.com/wp-

content/uploads/2024/11/ccla-ucl-portfolio-july2023.pdf; https://bdsatucl.com/wp-

content/uploads/2024/11/CCLA\_2022.pdf; https://bdsatucl.com/wp-content/uploads/2024/11/CCLA\_2021.pdf; https://bdsatucl.com/wp-content/uploads/2024/11/CCLA\_2020.pdf

<sup>&</sup>lt;sup>3</sup> https://bdsatucl.com/wp-content/uploads/2024/12/CCLA\_SEP23\_JUN24.pdf

<sup>4</sup> https://www.instagram.com/p/DBzO0ITs5qE/?img\_index=1;

https://www.instagram.com/p/DCHZVURs7Ki/?img\_index=1;

https://www.instagram.com/p/DCzQqCNM3XX/?img\_index=1

### Company profile

Ametek<sup>5</sup> are a global manufacturer of electronic and electromechanical components with annual sales of over \$7 billion, including an 7% increase in sales in 2023 which has carried into 2024.<sup>6</sup> Between 6 October 2023 and 4<sup>th</sup> December 2024, Ametek's share price has increased by nearly 30%.<sup>7</sup>

Ametek lists at least 22 sub-divisions that are directly involved in military industries<sup>8</sup> and 27 in oil & gas production<sup>9</sup>.

The sheer scale with which Ametek are embedded in the weapons industry is staggering. Ametek manufacture parts for a vast array of military equipment including aircraft e.g., fighter jets,<sup>10</sup> armoured vehicles e.g., tanks,<sup>11</sup> drones,<sup>12</sup> helicopters,<sup>13</sup> and weapons systems e.g., missiles.<sup>14</sup>

For each piece of military equipment, Ametek are involved extensively in every aspect of its production, manufacturing components for weapons systems,<sup>15</sup> engines,<sup>16</sup> fuel systems,<sup>17</sup> sensors,<sup>18</sup> computer chips,<sup>19</sup> power distribution,<sup>20</sup> cooling systems,<sup>21</sup> ammunition,<sup>22</sup> gun alignment,<sup>23</sup> communication,<sup>24</sup> imaging,<sup>25</sup> and targeting methods and guidance systems.<sup>26</sup>

directory?filters=ow\_main\_industries\_sm:Oil+and+Gas

<sup>11</sup> https://www.taylor-hobson.com/market-sectors/defence/military-vehicles; https://www.hughes-

airtechnology.com/markets/military-land-vehicles

<sup>&</sup>lt;sup>5</sup> <u>https://www.ametek.com</u>

<sup>&</sup>lt;sup>6</sup> <u>https://investors.ametek.com/news-releases/news-release-details/ametek-announces-record-fourth-quarter-and-full-year-results-4</u>

<sup>&</sup>lt;sup>7</sup><u>https://www.google.com/finance/quote/AME:NYSE?sa=X&ved=2ahUKEwiypIj2j46KAxWRZ0EAHdnZBZYQ3ecFegQIPxAX&window=5Y</u>

<sup>&</sup>lt;sup>8</sup> https://www.ametekaerospaceanddefense.com/ourbusiness; https://www.ametek.com/business-

directory?filters=ow\_main\_industries\_sm:Defense;

<sup>9</sup> https://www.ametekoilandgas.com; https://www.ametek.com/business-

<sup>&</sup>lt;sup>10</sup> <u>https://www.hughes-treitler.com/markets/military-aircraft; https://www.ameteksfms.com/markets/military-aircraft; https://www.ametek-airtechnology.com/markets/military-aircraft; aerospace</u>

treitler.com/markets/military-vehicles; https://www.ameteksfms.com/markets/military-ground-vehicles; https://www.rotron.com/markets/military-vehicles; https://www.abaco.com/expertise-land; https://www.ametek-

<sup>&</sup>lt;sup>12</sup> <u>https://www.rotron.com/markets/military-aircraft; https://www.hughes-treitler.com/markets/military-vehicles;</u> <u>https://www.ametekpds.com/markets/uav; https://www.abaco.com/expertise-land</u>

<sup>&</sup>lt;sup>13</sup> https://www.abaco.com/expertise-land

<sup>&</sup>lt;sup>14</sup> https://www.abaco.com/expertise-land; https://www.ametek-airtechnology.com/markets/missiles

<sup>&</sup>lt;sup>15</sup> https://www.ameteksfms.com/markets/military-ground-vehicles; https://www.ameteksfms.com/markets/rotorcraft; https://www.ametek-airtechnology.com/markets/missiles

 <sup>&</sup>lt;sup>16</sup> <u>https://www.ametekmetals.com/markets/defense;</u> <u>https://www.hughes-treitler.com/markets/enginecooling</u>
<sup>17</sup> https://www.ameteksfms.com/markets/military-aircraft

 <sup>&</sup>lt;sup>18</sup> <u>https://www.ameteksfms.com/markets/military-aircraft;</u> <u>https://www.ameteksfms.com/markets/military-ground-</u>vehicles; <u>https://www.ameteksfms.com/markets/military-ground-</u>

<sup>&</sup>lt;sup>19</sup> <u>https://www.abaco.com/expertise-land;</u> <u>https://www.ueidaq.com/industries/military-aviation;</u>

https://www.ueidaq.com/industries/military-automotive-motor-vehicle

<sup>&</sup>lt;sup>20</sup> <u>https://www.ametekpds.com/markets/military-aircraft;</u> <u>https://www.ametekpds.com/markets/military-ground-vehicles;</u> <u>https://www.ametekpds.com/markets/uav</u>

<sup>&</sup>lt;sup>21</sup> https://www.hughes-treitler.com/markets/military-aircraft; https://www.ametek-airtechnology.com/markets/militaryaerospace; https://www.ametek-airtechnology.com/markets/military-land-vehicles;

https://www.rotron.com/markets/military-aircraft; https://www.rotron.com/markets/military-vehicles

<sup>&</sup>lt;sup>22</sup> <u>https://www.taylor-hobson.com/market-sectors/defence/military-weapons</u>

<sup>&</sup>lt;sup>23</sup> https://www.taylor-hobson.com/market-sectors/defence/military-vehicles; https://www.taylor-hobson.com/marketsectors/defence/military-weapons

<sup>&</sup>lt;sup>24</sup> <u>https://www.ametekpds.com/markets/manpack</u>

<sup>&</sup>lt;sup>25</sup> <u>https://www.forzasilicon.com/applications/military</u>

<sup>&</sup>lt;sup>26</sup> https://www.ametekinterconnect.com/markets/defense; https://www.zygo.com/industries/military-aerospace

Ametek's customers include some of the largest arms companies in the world:<sup>27</sup> Airbus, BAE, Boeing, General Atomics, General Dynamics, Leonardo, Lockheed Martin, Raytheon.<sup>28</sup> The Ametek weapons factory in Surrey was targeted by direct action groups for participation in the Israeli genocide and listing 'Israeli weapons firm Elbit Systems as a "valued customer".<sup>29</sup>

## Complicity in Israel's current genocide against Palestine

A review of reports about bombardment, surveillance, military cargo transportation, and air defense during the Israeli genocide against Palestine reveals that at least 19 armaments containing Ametek parts are being used.

Ametek produce parts for 7 aircraft and military vehicles involved in bombardment and assault during the genocide in Gaza. For example:

- Ametek produce parts for the F-15, F-16, F-35 fighter jets,<sup>30</sup> which are used by Israel for the heavy aerial bombardment that has been the defining feature of the genocide in Gaza.<sup>31</sup> These bombardments are typically performed using MK82/83/84 bombs (also referred to as GBU or BLU).<sup>32</sup> The largest and most horrific of these, the MK84, weighs just under 1 tonne and has a lethal blast radius of 370 metres.<sup>33</sup> Ametek-supplied fighter jets dropped the 1-tonne bomb over 500 times in Gaza in just the first two months of the genocide.<sup>34</sup> In the first year of genocide, the US supplied 14,100 of these bombs<sup>35</sup> enough to cover the entire area of the Gaza strip with lethal blasts 17 times over. One tonne bombs have been dropped by Ametek-supplied fighter jets on designated 'safe' zones and tent camps where displaced Palestinian families are sheltering.<sup>36</sup>
- Ametek produce parts for the Merkava tank,<sup>37</sup> which is Israel's primary tank,<sup>38</sup> and has been used heavily in ground assaults in both Palestine and Lebanon during the genocide. Merkava tanks have been used by the Israeli military to murder civilians with horrifically barbaric methods.<sup>39</sup> The widely publicised murder of 6-year-old Hind Rajab, trapped in the car with the bodies of her deceased family, was carried out with an Israeli Merkava tank.<sup>40</sup>

https://watson.brown.edu/costsofwar/files/cow/imce/papers/2023/2024/Costs%20of%20War\_US%20Support%20Since %20Oct%207%20FINAL%20v2.pdf; https://www.aljazeera.com/news/longform/2023/11/9/israel-attacks-on-gazaweapons-and-scale-of-destruction

<sup>33</sup> https://www.aljazeera.com/news/2024/9/10/what-was-the-humanitarian-zone-bombed-overnight-by-israel
<sup>34</sup> https://edition.cnn.com/gaza-israel-big-bombs/index.html

<sup>&</sup>lt;sup>27</sup> <u>https://caat.org.uk/data/companies/</u>; UCL is also linked to some of these companies e.g., <u>https://bdsatucl.com/ucl-bae-systems/</u>; <u>https://bdsatucl.com/air-bus-and-ucl/</u>;

<sup>&</sup>lt;sup>28</sup> <u>https://www.rotron.com/markets/military-aircraft</u>; <u>https://www.rotron.com/markets/military-vehicles;</u> <u>https://www.ametekpds.com/markets</u>

<sup>&</sup>lt;sup>29</sup> https://x.com/Pal\_action/status/1815316367102337326

<sup>&</sup>lt;sup>30</sup> https://www.ameteksfms.com/markets/military-aircraft; https://www.rotron.com/markets/military-aircraft

<sup>&</sup>lt;sup>31</sup> https://www.businessinsider.com/us-fighter-jets-israel-air-war-gaza-2024-1

<sup>&</sup>lt;sup>32</sup> https://aoav.org.uk/2024/israels-dirty-dozen-the-idfs-most-lethal-weapons-in-gaza;

https://www.aljazeera.com/news/2023/12/29/beyond-maghazi-what-controversial-weapons-have-israel-used-in-gazawar;

<sup>&</sup>lt;sup>35</sup>https://watson.brown.edu/costsofwar/files/cow/imce/papers/2023/2024/Costs%20of%20War\_US%20Support%20Sinc e%20Oct%207%20FINAL%20v2.pdf

https://www.aljazeera.com/news/2024/9/12/what-bombs-did-israel-use-against-the-al-mawasi-safe-zone-in-gaza
https://caat.org.uk/data/companies/ametek

<sup>&</sup>lt;sup>38</sup> https://www.idf.il/en/mini-sites/training-and-preparation/the-merkava-celebrates-35-years-of-service-in-the-idf/

<sup>&</sup>lt;sup>39</sup> https://www.middleeasteye.net/news/israel-soldier-boasted-running-over-dead-palestinian-man-tank; https://euromedmonitor.org/en/article/6202

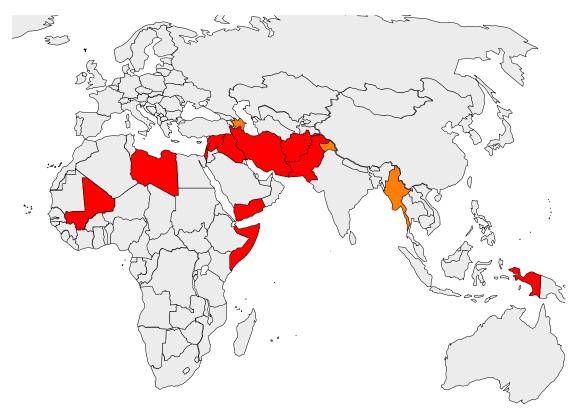
<sup>&</sup>lt;sup>40</sup> https://forensic-architecture.org/investigation/the-killing-of-hind-rajab;

https://www.youtube.com/watch?v=BGh9fqcty0g

- Ametek produce parts for B-2 bomber aircraft<sup>41</sup> and F/A-18 fighter jets<sup>42</sup>, which have been used by the US to bomb Yemen during the ongoing genocide.<sup>43</sup> The Yemeni blockade of the Red Sea has crippled the Israeli economy, driving the integral Israeli port Eilat to bankruptcy.<sup>44</sup> Ametek also produce parts for F-22 fighter jets<sup>45</sup>, which were delivered by the US to the region on 8<sup>th</sup> August 2023 in support of Israel.<sup>46</sup>

As Josh Paul, a fellow at the US-based NGO Democracy for the Arab World Now (Dawn), notes: "If you cut off the supply of spare parts, particularly on something like the F-35s, [they] would very quickly become unflyable".<sup>47</sup> Since many of these parts are Ametek-made, it is fair to conclude that Ametek are actively enabling Israeli fighter jets to remain in the skies above Palestine. For at least 10 months UCL has therefore been *directly* and *actively* linked – in the most literal sense – to the war crimes against tens of thousands of Palestinian and Lebanese civilians.

#### Complicity in global war crimes



**War crimes involving Ametek components.** Red denotes reported war crimes; orange denotes plausible or likely war crimes.

<sup>&</sup>lt;sup>41</sup> <u>https://www.ameteksfms.com/markets/military-aircraft</u>

<sup>&</sup>lt;sup>42</sup> https://www.ameteksfms.com/markets/military-aircraft; https://www.rotron.com/markets/military-aircraft

<sup>&</sup>lt;sup>43</sup> <u>https://www.defense.gov/News/Releases/Release/Article/3937640/statement-by-secretary-of-defense-lloyd-j-austin-</u> <u>iii-on-us-airstrikes-in-houthi/; https://www.aljazeera.com/news/2024/10/17/us-says-b2-bombers-launched-precision-</u> <u>strikes-against-houthis-in-yemen; https://www.defense.gov/News/News-Stories/Article/Article/3665898/us-uk-launch-</u> strikes-against-houthi-targets-in-yemen-to-protect-red-sea-shipping/

 <sup>&</sup>lt;sup>44</sup> <u>https://www.middleeastmonitor.com/20240719-eilat-port-declares-bankruptcy-what-awaits-the-occupying-state/</u>
<sup>45</sup> https://www.rotron.com/markets/military-aircraft

<sup>&</sup>lt;sup>46</sup> https://www.timesofisrael.com/liveblog\_entry/us-f-22s-arrive-to-the-region-to-counter-threats-from-iran-proxies/

<sup>&</sup>lt;sup>47</sup> https://www.middleeasteye.net/news/israel-US-f-35-global-supply-legal-spare-parts

Note: This list is not comprehensive and is limited by the extent of research and availability of public/declassified data, testimonies and living witnesses.

War crimes around the world have been committed with military equipment using Ametek components. For example:

- **Palestine, 2008-2023.** Ametek produce parts for Apache AH-64 attack helicopters<sup>48</sup> which have been used by Israel to massacre Palestinians over the past 20 years,<sup>49</sup> including the assault which slaughtered 1,383 Palestinians, including 333 children, in 2008-9.<sup>50</sup>
- New Guinea, October 2021. The Indonesian military bombed villages in Kiwirok, West Papua, massacring at least 15 civilians according to local reports.<sup>51</sup> Human Rights Monitor report that helicopters shot indiscriminately at civilians while dropping grenades on homes and church buildings<sup>52</sup>. The Indonesian military operate Apache AH-64 helicopters containing Ametek-made parts<sup>53</sup>, and these helicopters have been observed in the West Papua region<sup>54</sup> where civilians have been bombed and killed.<sup>55</sup>
- Afghanistan, August 2021. Declassified footage released by the New York Times shows a US MQ-9 reaper drone, containing Ametek-made components,<sup>56</sup> murdering 10 Afghan civilians, including 7 children.<sup>57</sup> September 2015. US Forces bomb a Medicine Sans Frontier (MSF) hospital in Kunduz and kill 42, including 24 patients and 14 staff.<sup>58</sup> MSF report that "our patients burned in their beds, our medical staff were decapitated or lost limbs. Others were shot from the air while they fled the burning building." The massacre was carried out with a Lockheed Martin AC-130, which is produced by converting the C-130,<sup>59</sup> an aircraft containing Ametek-produced parts.<sup>60</sup> November 2009. A US airstrike on the village of Granai massacres approximately 140 civilians. F/A-18 fighter jets and B-1 bombers, containing Ametek-made parts,<sup>61</sup> dropped multiple 1-tonne bombs.<sup>62</sup> In total, B-1 bombers dropped 1,800 bombs over Afghanistan.<sup>63</sup>

<sup>&</sup>lt;sup>48</sup> <u>https://www.abaco.com/expertise-land; https://www.ameteksfms.com/markets/rotorcraft</u>

<sup>&</sup>lt;sup>49</sup> https://electronicintifada.net/blogs/tamara-nassar/us-supplied-israeli-apache-helicopter-kills-children-west-bank; https://www.aljazeera.com/news/2022/8/8/the-names-and-faces-of-the-15-children-killed-in-gaza;

https://www.whoprofits.org/companies/company/7372?boeing-company

<sup>&</sup>lt;sup>50</sup> https://www.whoprofits.org/companies/company/7372?boeing-company

<sup>&</sup>lt;sup>51</sup> https://gsp.yale.edu/sites/default/files/final report 4 august 2023 ba00172994.pdf

<sup>&</sup>lt;sup>52</sup> <u>https://humanrightsmonitor.org/wp-content/uploads/2023/08/HRM\_Destroy\_Them\_First\_Special\_Report\_2023.pdf</u>

<sup>&</sup>lt;sup>53</sup> <u>https://www.abaco.com/expertise-land;</u> <u>https://www.ameteksfms.com/markets/rotorcraft</u>

<sup>&</sup>lt;sup>54</sup> https://www.waronwestpapua.org/ah 64e apache combat helicopter ; https://humanrightsmonitor.org/wp-

content/uploads/2023/08/HRM\_Destroy\_Them\_First\_Special\_Report\_2023.pdf

<sup>&</sup>lt;sup>55</sup> https://gsp.yale.edu/sites/default/files/final\_report\_4\_august\_2023\_ba00172994.pdf

<sup>&</sup>lt;sup>56</sup> <u>https://www.ameteksfms.com/markets/military-aircraft</u>

<sup>&</sup>lt;sup>57</sup> https://www.nytimes.com/2022/01/19/us/politics/afghanistan-drone-strike-video.html

<sup>&</sup>lt;sup>58</sup> <u>https://www.msf.org/kunduz-hospital-attack-depth</u>

<sup>&</sup>lt;sup>59</sup> <u>https://www.nationalmuseum.af.mil/Visit/Museum-Exhibits/Fact-Sheets/Display/Article/196341/lockheed-ac-130a-spectre/</u>

<sup>&</sup>lt;sup>60</sup> <u>https://www.ameteksfms.com/markets/military-aircraft</u>; <u>https://www.rotron.com/markets/military-aircraft</u>

<sup>&</sup>lt;sup>61</sup> <u>https://www.ameteksfms.com/markets/military-aircraft;</u> <u>https://www.rotron.com/markets/military-aircraft</u>

<sup>62</sup> https://www.thenation.com/article/archive/mass-casualty-attacks-afghan-war/

<sup>&</sup>lt;sup>63</sup> <u>https://www.airforcetimes.com/news/your-air-force/2015/08/23/inside-the-b-1-crew-that-pounded-isis-with-1800-bombs/</u>

- **Mali, January 2021.** A French airstrike on a wedding of over 100 people in Mali slaughtered 22, including at least 19 civilians.<sup>64</sup> A French MQ-9 reaper drone, containing Ametek-components,<sup>65</sup> was used in the war crime.<sup>66</sup>
- **Syria, March 2019.** A US airstrike massacred dozens of civilians and was subject to a coverup by military officials.<sup>67</sup> The strike was performed with a F-15 fighter jet, containing Ametek parts<sup>68</sup>. Over 70 were killed, with one officer on the secure chat stating :"We just dropped on 50 women and children."
- Yemen, August 2018. Saudi forces bombed a school bus, killing 40 children and wounding many others.<sup>69</sup> These were likely the Eurofighter Typhoon and F-15 aircraft,<sup>70</sup> both of which contain numerous Ametek-produced parts<sup>71</sup> which the Saudi Airforce uses. Saudi bombing of Yemen has, by conservative estimates, murdered 9,000 civilians. The total death toll, including indirect deaths, stands at hundreds of thousands.<sup>72</sup> December 2013. A US drone strike on a wedding in Yemen massacred 12 people and injured a further 15.<sup>73</sup> The strike included 4 hellfire missiles.<sup>74</sup> In the US arsenal, the MQ-9 and MQ-1C (upgraded MQ-1) can both carry 4 hellfire missiles<sup>75</sup> therefore Ametek-made parts<sup>76</sup> very likely enabled this wedding strike.
- Pakistan, January 2009. A US drone strike the very first of the Obama administration on a family home killed 3 civilians and gravely injured others, including a 14-year-old boy.<sup>77</sup> In 2013, a 13-year-old Pakistani child, Zubair, told US congress "I no longer love blue skies. In fact, I now prefer grey skies. The drones do not fly when the skies are grey."<sup>78</sup> The US military used MQ-1 Predator and MQ-9 Reaper drones in Pakistan,<sup>79</sup> both of which contain Ametek-made components.<sup>80</sup> Up until 2013, over 400 civilians are estimated to have been killed by US drone strikes in Pakistan.<sup>81</sup>
- **Iraq, July 2007.** Declassified footage shows a US military helicopter slaying over 12 people, including two Reuters reporters and their rescuers.<sup>82</sup> The helicopter was a Boeing Apache AH-64, containing Ametek-made parts.<sup>83</sup>

<sup>&</sup>lt;sup>64</sup> <u>https://news.un.org/en/story/2021/03/1088722</u>

<sup>65</sup> https://www.ameteksfms.com/markets/military-aircraft

<sup>&</sup>lt;sup>66</sup> https://dronewars.net/2021/07/22/new-report-examines-civilian-deaths-in-french-drone-instigated-air-strike-in-mali/

<sup>&</sup>lt;sup>67</sup> https://www.nytimes.com/2021/11/13/us/us-airstrikes-civilian-deaths.html

<sup>&</sup>lt;sup>68</sup> <u>https://www.ameteksfms.com/markets/military-aircraft;</u> <u>https://www.rotron.com/markets/military-aircraft</u>

<sup>&</sup>lt;sup>69</sup> https://www.savethechildren.org/us/charity-stories/yemen-saudi-led-coalition-school-bus-attack-on-children-follow-up <sup>70</sup> https://caat.org.uk/homepage/stop-arming-saudi-arabia/uk-arms-used-in-the-war-on-yemen/;

https://yemen.armstradewatch.eu/air.html#:~:text=Saudi%20Arabia%20bought%2072%20Eurofighter.export%20licence %20to%20Saudi%20Arabia.

<sup>&</sup>lt;sup>71</sup> <u>https://www.ameteksfms.com/markets/military-aircraft;</u> <u>https://www.rotron.com/markets/military-aircraft</u>

<sup>&</sup>lt;sup>72</sup> <u>https://www.washingtonpost.com/investigations/interactive/2022/saudi-war-crimes-yemen/</u>

<sup>&</sup>lt;sup>73</sup> <u>https://www.hrw.org/report/2014/02/19/wedding-became-funeral/us-drone-attack-marriage-procession-yemen</u>

<sup>&</sup>lt;sup>74</sup> https://www.hrw.org/report/2014/02/19/wedding-became-funeral/us-drone-attack-marriage-procession-yemen

<sup>&</sup>lt;sup>75</sup> https://www.af.mil/About-Us/Fact-Sheets/Display/Article/104470/mg-9-reaper/;

https://www.army.mil/article/137593/mg\_1c\_gray\_eagle\_unmanned\_aircraft\_system\_uas

<sup>&</sup>lt;sup>76</sup> <u>https://www.ameteksfms.com/markets/military-aircraft; https://www.abaco.com/expertise-land</u>

<sup>&</sup>lt;sup>77</sup> <u>https://www.theguardian.com/world/2016/jan/23/drone-strike-victim-barack-obama</u>

<sup>&</sup>lt;sup>78</sup> <u>https://www.theatlantic.com/politics/archive/2013/10/saddest-words-congresss-briefing-drone-strikes/354548/</u>

<sup>&</sup>lt;sup>79</sup> <u>https://raf.mod.uk/what-we-do/centre-for-air-and-space-power-studies/aspr/apr-vol15-iss2-5-pdf/</u>

<sup>&</sup>lt;sup>80</sup> <u>https://www.ameteksfms.com/markets/military-aircraft; https://www.abaco.com/expertise-land</u>

<sup>&</sup>lt;sup>81</sup> https://www.thebureauinvestigates.com/stories/2017-03-06/us-drones-return-to-pakistan/

<sup>&</sup>lt;sup>82</sup> https://collateralmurder.wikileaks.org

<sup>83</sup> https://www.abaco.com/expertise-land; https://www.ameteksfms.com/markets/rotorcraft