

## **AUSTRALIA'S CEA AND DST TO COLLABORATE ON RADAR RESEARCH**

Source : IHS Jane's Defence Weekly 28 February 2018

Australian contractor CEA Technologies has signed a five-year research and development agreement with the government's Defence Science and Technology (DST) Group, it was announced on 1 March. According to the Department of Defence (DoD) in Canberra, the new agreement will support the joint development of radar, communications, and electronic warfare systems.

Australia's Minister for Defence Industry Christopher Pyne said the collaborative programme brings together CEA Technologies expertise in active array and radars, and DST Group capabilities in signal processing, electronic protection, tracking, and data fusion. He added that collaboration between the two parties will have a "significant focus on robust and resilient capabilities in complex environments".

## **CEA TECHNOLOGIES, DST AGREE ADVANCED RADAR RESEARCH**

Source : Manufacturer's Weekly, 1 March 2018

CEA and the Defence Science and Technology Group have signed a five-year research agreement to develop new solutions for future requirements in radar, communications, and electronic warfare. The research agreement was signed in Canberra by the Chief Defence Scientist, Dr Alex Zelinsky and Merv Davis, CEO of CEA Technologies.

CEA Technologies has delivered the world's first fourth generation Active Phased Array Radar technology for Australia's ANZAC Class frigates. The collaboration has relevance to programs such as the Future Frigates and will also help inform future programs in the aerospace, maritime and land domains.

Defence Industry Minister Christopher Pyne said future systems needed to ensure the Australian Defence Force had comprehensive situational awareness to make decisions more quickly in combat.

## **ADVANCED RADAR RESEARCH AGREEMENT WITH CEA TECHNOLOGIES**

Source : DST Website 1 March 2018

Minister for Defence Industry, the Hon Christopher Pyne MP, today announced a five-year research and development agreement between CEA Technologies and the Defence Science and Technology Group to develop new solutions for Defence's future requirements in radar, communications, and electronic warfare.

"I welcome this great partnership which brings together our Defence scientists' signal processing, electronic protection, tracking and data fusion capabilities with CEA Technologies' active array and radar expertise," Minister Pyne said.

CEA Technologies has delivered the world's first fourth generation Active Phased Array Radar technology for Australia's ANZAC Class frigates. This collaboration has relevance to programs such as the Future Frigates and will also help inform future programs in the aerospace, maritime and land domains.

Minister Pyne said future systems needed to ensure the Australian Defence Force had comprehensive situational awareness to make decisions more quickly in combat. "DST and CEA will bring complementary strengths to the collaboration on advances in array capabilities.

The agreement includes collaboration on robust and resilient capabilities in complex environments. "I congratulate the company and Defence on this strategic partnership which endeavours to produce more game-changing capabilities for the Australian Defence Force," he said. The research agreement was signed in Canberra by the Chief Defence Scientist, Dr Alex Zelinsky and Mr Merv Davis, CEO of CEA Technologies.

## **AGREEMENT SIGNED TO DEVELOP ADVANCED RADAR RESEARCH**

Source : Defence Connect 2 March 2018

CEA Technologies and the Defence Science and Technology (DST) Group have signed a five-year research and development agreement to develop new solutions for Defence's future requirements in radar, communications and electronic warfare.

The agreement includes collaboration with a significant focus on robust and resilient capabilities in complex environments. CEA Technologies already produces world-leading fourth generation active phased array radar technology, in use on Australia's Anzac Class frigates and mandated for the Future Frigates, and this partnership is expected to contribute to its development of a next-generation radar.

Defence Industry Minister Christopher Pyne said the developments under the program will go towards future acquisition projects across the aerospace, maritime and land domains. "I welcome this great partnership which brings together our Defence scientists' signal processing, electronic protection, tracking and data fusion capabilities with CEA Technologies' active array and radar expertise," Minister Pyne said.

"DST Group and CEA Technologies will bring complementary strengths to the collaboration on advances in array capabilities. "I congratulate the company and Defence on this strategic partnership, which endeavors to produce more game-changing capabilities for the Australian Defence Force." The research agreement was signed in Canberra by the Chief Defence Scientist Dr Alex Zelinsky and Merv Davis, chief executive of CEA Technologies.

## **DST, CEA TECHNOLOGIES TEAM UP FOR RADAR, EW RESEARCH**

Source : Naval Today.Com Friday 2 March

Australia's Defence Science and Technology Group and CEA Technologies have signed a five-year research and development agreement under which they will collaborate new solutions for Australian defence's future requirements in radar, communications, and electronic warfare.

The research agreement was signed in Canberra by the Chief Defence Scientist, Dr Alex Zelinsky and Mr Merv Davis, CEO of CEA Technologies. This collaboration has relevance to programs such as the Future Frigates and will also help inform future programs in the aerospace, maritime and land domains.

Australian defines industry minister Christopher Pyne welcomed the fusion of DST's signal processing, electronic protection, tracking and data fusion capabilities with CEA Technologies' active array and radar expertise. CEA Technologies has delivered the world's first fourth generation Active Phased Array Radar technology for Australia's ANZAC Class frigates, according to the minister.

Minister Pyne said future systems are needed to ensure the Australian Defence Force has comprehensive situational awareness to make decisions more quickly in combat. "I congratulate the company and Defence on this strategic partnership which endeavours to produce more game-changing capabilities for the Australian Defence Force," he said.

## **DST, CEA TECHNOLOGIES TEAM UP FOR RADAR, EW RESEARCH**

Source : DFNS 1 March, 2018

Australia's Defence Science and Technology Group and CEA Technologies have signed a five-year research and development agreement under which they will collaborate new solutions for Australian..... (read more) this links thru to the Naval Today Article reprinted above

## **FIVE-YEAR R&D AGREEMENT TO DEVELOP RADAR AND EW SOLUTIONS FOR AUSTRALIAN DEFENCE**

Source : [www.opengovasia](http://www.opengovasia)

A five-year research and development agreement was signed between the Defence Science and Technology Group and CEA Technologies to develop new solutions for Defence's future requirements in radar, communications, and electronic warfare.

On March 1, the Australian Minister for Defence Industry, the Hon Christopher Pyne MP, announced a five-year research and development agreement between the Defence Science and Technology Group and CEA Technologies to develop new solutions for Defence's future requirements in radar, communications, and electronic warfare. The research agreement was signed in Canberra by the Chief Defence Scientist, Dr Alex Zelinsky, and Mr Merv Davis, CEO of CEA Technologies.

The DST Group is the Australian government's lead agency responsible for applying science and technology to safeguard Australia and its national interests. CEA Technologies specialise in the design, development and manufacture of advanced radar and communications solutions for civil and military applications.

CEA Technologies has previously delivered the world's first fourth generation Active Phased Array Radar technology for Australia's ANZAC Class frigates. This collaboration has relevance to programs such as the Future Frigates and will also help inform future programs in the aerospace, maritime and land domains. There will be significant focus on robust and resilient capabilities in complex environments.

DST Group and CEA Technologies are expected to bring complementary strengths to the collaboration on advances in array capabilities, combining Defence scientists' signal processing, electronic protection, tracking and data fusion capabilities with CEA Technologies' active array and radar expertise.

Minister Pyne said future systems needed to ensure the Australian Defence Force had comprehensive situational awareness to make decisions more quickly in combat.

"I welcome this great partnership which brings together our Defence scientists' signal processing, electronic protection, tracking and data fusion capabilities with CEA Technologies' active array and radar expertise," he added. "I congratulate the company and Defence on this strategic partnership which endeavors to produce more game-changing capabilities for the Australian Defence Force."

## **DEFENCE FORGES PARTNERSHIP TO ADVANCE 3-D PRINTING OF ENERGETIC MATERIALS**

Source : opengovasia, 5 March 2018

The Defence Science and Technology Group will partner with industry and academia to develop new technologies improving the safety and performance of explosives. On Mar 2, Australian Minister for Defence Industry, the Hon Christopher Pyne MP, announced that the Defence Science and Technology Group (DST Group) will partner with industry and academia to develop new technologies improving the safety and performance of explosives for Defence and industry.

DST Group is part of Australia's Department of Defence and is the second largest public-funded research and development (R&D) organisation in Australia. It is a national leader in safeguarding Australia by delivering valued scientific advice and innovative solutions for Defence and national security.

According to its Strategic Plan 2013-2018, DST Group is committed to continue serve as a valued adviser to the Australian Government and focus efforts towards future Defence and national security by being a collaborative partner and an innovation integrator. The research partnership project will see DST Group working with several partners including Victorian-based defence research company DefendTex Pty Ltd, the Royal Melbourne Institute of Technology, Flinders University, and Cranfield University in the UK.

Minister Pyne said additive manufacturing or 3-D printing of energetic materials such as explosives, propellants and pyrotechnics has the potential to transform their performance and also offer significant logistical and cost benefits in their manufacture.

"This research could lead to the production of advanced weapons systems, which can be tailored for unique performance and purpose," Minister Pyne said.

At the same time, the research also aims to allow broader access and more efficient and environmentally friendly manufacturing opportunities to Australian industry providing significant cost savings and competitive advantage for Defence, and industries such as mining construction.

A\$2.6 million has been committed over two years through the Cooperative Research Centre (CRC) Program. The CRC Program is administered by AusIndustry, a division within the Department of Industry, Innovation and Science. It aims to foster high quality research to solve industry-identified problems through industry-led and outcome-focused collaborative research partnerships between industry entities and research organisations.

The CRC Program contains 2 funding streams: (1) CRCs to support medium to long term industry-led collaborative research and (2) CRC Projects (CRC-P's) to support short term, industry-led collaborative research.

Minister Pyne congratulated all CRC project participants and looks forward to the research outcomes. "These outcomes will have far-reaching civilian and Defence applications and contribute to the development of critical expertise in energetic manufacturing techniques in Australian industry," said Minister Pyne.

Australian Defence has been forming R&D partnerships with the industry to enhance the capabilities of Defence. As reported earlier, a five-year research and development agreement between the Defence Science and Technology Group and CEA Technologies to develop new solutions in radar, communications, and electronic warfare has been announced recently.

"I welcome this great partnership which brings together our Defence scientists' signal processing, electronic protection, tracking and data fusion capabilities with CEA Technologies' active array and radar expertise," Minister Pyne said.