

## 2012-04-24 (TV2): Breivik Trial: Day 07: Oslo Bomb Testimony:

Tor Inge Kristoffersen | Senior Adviser Svein Olav Christensen | Oslo Police: Thor Langli | Oslo Police Superintendent Eva Birkefeldt Ragde | Follo Police: Ole Morten Størseth | Norwegian Institute of Public Health Expert Arne Stray-Pedersen | Autopsy's: Jon Vegard Lervåg (32) | Ida Marie Hill (34) | Hanne Ekroll Løvlie (30) | Annelise Holter (51)

Oslo District Court: #: 11-188627 MED-05 | 24 April 2012 | Breivik Report/TV2.NO

9:31 Next is a senior advisor to Defence Estates, who will talk about the damage the bomb caused. He explains himself as an expert witness.

9:36 Senior Adviser Svein Olav Christensen: - We should consider the size of bomb, in addition, we arranged for a reconstruction of a car bomb.

9:39 Christensen begins by showing images from the reconstruction of the car bomb.

9:52 Christensen: - car bomb probably had an energy content equivalent to 400-700 kg of TNT.

11:06 Next witness is leading efforts in the Thor Langli Oslo police.

11:07 Langli: - 22/7, I was leading efforts to work.

11:08 - I had just entered the guard room when I heard a roar. It came quickly into reports of injuries.

12:57 The court is ready for a new witness: Police Superintendent Eva Birkefeldt Ragde from Oslo police.

12:58 She explained together with the police superintendent Ole Morten Størseth from



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Follo police.

12:59 Ragde and Størseth will explain about the scene in the government quarter.

13:00 Both are crime technicians, and it will include displayed images from the scene.

13:27 Expert Arne Stray-Pedersen from the Norwegian Institute of Public Health will now give evidence about the deceased from the government quarter.

13:29 Correctional Technician Størseth assists Stray-Pedersen in connection with the diploma.

13:30 Størseth: - It was found several hundred body parts at the scene.

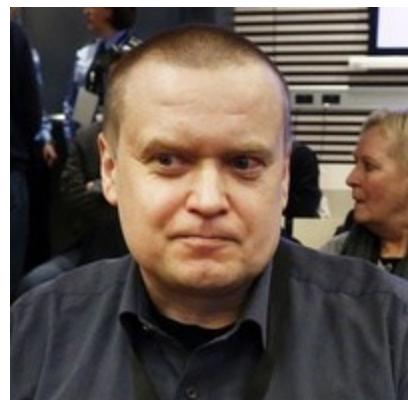
13:32 Stray-Pedersen - I participated in the investigations of the deceased.

13:36 Stray-Pedersen explains how the shock wave leads to damage to tissues and cells.

8:58 Anders Breivik Behring escorted into the hall.

9:00 The court is set.

9:02 The witness Tor Inge Kristoffersen provide personal information until he shall give his diploma.



9:03 Prosecutors Inga Bejer Engh starts his questioning of the witness.

9:04 Kristoffersen - I sat in the monitoring center in high-rise building 22 July.

9:05 - A colleague phoned in and said that a white van parked outside.

9:06 - I watched the footage a man in uniform weights that locked the car.

9:06 - We did not find him on any of the cameras, and did not find the driver.

9:07 Kristoffersen: - We zoomed in on the registration number and the same moment it exploded.

9:08 - There was a tremendous "roar," a loud boom that shook the entire high-rise.

9:09 - The fire alarm had gone in all the buildings, I warned that a white van had been in the air.

9:09 - There were dead people on the outside, and enormous devastation outside.

9:10 Kristoffersen: - One of the technicians came down after 10-15 minutes and secured admission to the police.

9:11 Kristoffersen: - It looked like a normal fault parking, we chase the cars from there on a daily basis.

9:11 Engh: - What are the procedures when you see a mistake parking?

9:12 Kristoffersen: - Calling the car registry and get the car removed.

9:12 Kristoffersen: - Water leaks out that we had to cover the servers to prevent them from being destroyed.

9:14 - We first thought it was an employee of the guard service who had done it.

9:15 - Connection Guard was destroyed by the explosion. The first half hour we were without communications.

9:16 Engh: - How have you been then?

9:17 Kristoffersen: - Okay, really. But we lost a colleague.

9:19 - We tore down a tarp from the construction site that we used to cover the servers.

9:19 Holden: - What happens after that?

9:19 Kristoffersen: - We received phone calls from people stuck in buildings. The bells were ringing all the time.

9:21 - I called the family, and then checked the escape routes.

9:22 Defendant bears traces of direct line used in the government building.

9:22 Bæra: - You saw the van that a suspicious car. Is it possible to bring video images to the police?

9:23 Kristofferson: It must be done at the request of police.

9:23 - The police got the registration number fairly early in the second telephone conversation with the police

9:25 - It has been particularly challenging to be at work later.

9:27 Lawyer Yvonne Mette Larsen: - Have you followed Breivik's explanation?

9:27 Kristoffersen: - Yes.

9:28 Larsen asks for access by car to the government quarter, and Breivik explained in court.

9:29 Tor Inge Kristoffersen is finished with his explanation.

9:31 Next is a senior advisor to Defence Estates, who will talk about the damage the bomb caused. He explains himself as an expert witness.

9:36 Senior Adviser Svein Olav Christensen: - We should consider the size of bomb, in addition, we arranged for a reconstruction of a car bomb.

9:39 Christensen begins by showing images from the reconstruction of the car bomb.

9:40 Christensen: - After an explosion fragments thrown out at a speed of 1000 m / s



9:41 - I was at home 22 July, 10 kilometers from the scene, and got a call from a colleague who said that there had been a bomb.

9:42 - I then went to work and picked up camera equipment to document the damage. We were at the government building around 17.15.

9:42 Holden: - Why did you focus on window damage?

9:44 Christensen: - We were tasked to investigate a bomb the size of the basis of the physical observations.

9:44 - The energy in a car bomb can be calculated from the damage in the area, damaging the windows.

9:45 - In addition, we have the size of the crater and oppbrytning the bomb car.

9:46 - In the window analysis, we chose three buildings: the Liberal House, People's Theatre building and the main fire station.

9:48 - This information took us back to Defence Estates and began to count on it.

9:48 - We used computer simulation programs, and calculated the pressure of the bomb.

9:50 - We started with a small bomb size, and after a series of runs, we found the effect that matched with window damage.

9:52 Christensen: - car bomb probably had an energy content equivalent to 400-700 kg of TNT.

9:57 Christensen said it was not lost energy from the bomb into the underground parking facility.

9:58 - Concrete columns were 9-10 meters from the center of the bomb. The columns had no pressure damage.

10:00 Christensen shows surveillance photos from the government quarter wave devastated the area.

10:01 Senior Advisor explains the reconstruction of the car bomb, which took place at military blasting fields on Rena last fall.

10:03 - The bomb was made by components from seizures, and after defendant's recipe.

10:03 - The main charge was at 900 pounds, and start the charge of 50 pounds.

10:05 - Start Charging we wanted to reconstruct the interests of safety.

10:06 - We used pressure sensors, video cameras and speed cameras to collect information during detonation.

10:07 Christensen shows a six minute long video of the reconstruction.

10:12 - The reconstruction showed an identical injury picture.

10:15 Holden: - Fireballs in the government building was about 25 meters.

10:17 - Our conclusion is that the size of bomb that was used in reconstruction and in the government building was of similar magnitude.

10:18 The court will take a 20 minute break.

10:42 The court is set, the explanation from the military bomb expert to complete.

10:42 Christensen: - We are asked to do an assessment of risk.

10:42 - There are four effects which may cause people.

10:43 Combination of construction, pressure wave, fragmentation and secondary fragmentation.

10:44 - Pressure wave will in open space would be fatal in up to 25 meters.

10:45 - Fragments (from the car bomb) will move in a straight line from the explosion site, and is pretty lightweight. Danger decreases with distance.

10:47 - The reconstruction, we found a fragment 280 meters away.

10:47 Christensen shows an image from an office in the government building where window is thrown several meters.

10:50 - Doors in the middle of the Y-block was thrown into.

10:52 - Window Damage Records showed that the pressure wave followed Grubbegaten up.

10:53 - We have observed broken windows out to 400 meters. If they fall from great height, they can harm people.

10:54 Bomb expert sought out by Geir Lippestad.

10:55 Lippestad: - Based on what you know, it's a simple bomb-making?

10:55 Christensen: - The main charge is simple, initial charge is difficult.

10:56 Lippetstad: - Will the direction of the location of the bomb inside the car have any effect?

10:57 Christensen: - I can hardly see how it can be done in practice.

10:58 Lawyer Yvonne Mette Larsen: - Was the bomb expedient to have the tower block to collapse?

11:00 Christensen: - High density housing is a very powerful build. The bomb had been absolutely powerful. Perhaps more than double.

11:03 Military bomb experts have finished their testimony.

11:05 The court has ruled that video images of Breivik's explanation (without sound) can not be broadcast.

11:06 Next witness is leading efforts in the Oslo Police: [Thor Langli](#).

11:07 Langli: - 22/7, I was leading efforts to work.

11:08 - I had just entered the guard room when I heard a roar. It came quickly into reports of injuries.

11:09 - I drove into the area on Henrik Ibsen's street and into Akersgata.



11:09 - Ambulance service was already in full swing. The whole area was covered with debris.

11:10 - I reported the damage to the equipment and personnel, and stated that this was a terrorist act.

11:11 - I asked for an armament order, and asked to bring in emergency squad in a situation report. I loaded my own service weapons.

11:11 - It was initiated lifesaving first aid, ambulance personnel came running with a stretcher.

11:12 - I walked into the reception area, had heard the police communications that there could be people in there.

11:13 - It was difficult to move forward, but I considered the situation safe enough. The most dangerous places were along the facades.

11:13 - I saw a great hole in the ground, where the bomb had gone off.

11:14 - Bet leaders of the emergency gathering of Einar Gerhardsen place.

11:15 - It was burning heavily on the top floors, and we put a plan to bomb the group was to get into.

11:18 - After a short time, a shift away from the government quarter, he had contact with the guard to say and said that they saw a movie where a man in uniform weights went up with weapons in hand.

11:20 - Later told a firefighter that he had seen a man in police uniform with Delta-helmet on the spot. We thought so for some time that there were two perpetrators.

11:20 - At 15.42 we got the message that there could be two more bombs in the government quarter.

11:21 - It was a tremendous dilemma, because we had to pull out the rescue workers.

11:21 - Approximately 15.46 I ordered the rescuer out.

11:23 - Five minutes after the bomb group was ordered in, I got the message on the connection that the message was too unspecific. When they were severely damaged already run away.

11:24 - The flames had taken up further in R4.

11:24 - When I came into the tower block, I heard cries for help. It was found five people.

11:26 - Just before the clock 16, I received notification from the operations center that a witness had observed a van that had driven from the place. When the search took place in H-block, and had too few hands to remove the personnel to look for suspicious things.

11:27 - There were police officers in other places that were in activity, including off TV 2

11:29 - We searched the buildings in the government quarter. It was set up internal and external barriers.

11:30 - It was submitted that the police is not known, should not be released within the barrier. In the worst case would be used firearms.

11:33 - The instructions were read out of the operations center. When the message came Utøya anything before 17.30, there was notice that 50 could be shot.

11:34 - Emergency Squad went away immediately. 8 out of 10 went to Utøya.

11:35 Langli dishes to thank the crews that help was on.

11:37 Langli tells how the dead were handled.

11:41 Langli: - Many civilians who were randomly passed, did a great job. A surgeon from the United States who was on vacation, helped in part to.

11:43 - I wanted to include the serious part of the press at the scene, not the people who flew around with a mobile camera.

11:45 - It was commandeered a bus from the Router, which was used to transport the injured.

11:46 Holden: - What was done in relation to the car, as it was announced?

11:47 Langli: - The piece was controlled from the operations center.

11:48 Defender Bæra: - There were several descriptions of the perpetrator. Did you receive access to the videos?

11:51 Langli comments picture of Breivik: - For me it did not seem like a policeman. It was the one who pretended he was.

11:52 Lawyer Yvonne Mette Larsen: - When you heard that there was shooting at Utøya, what were you thinking about the relationship?

11:53 Langli: - Prior notification of Utøya I thought it would be more in Oslo.

11:53 Thor Langli finish his explanation. The court will take lunch break until at 13

12:57 The court is ready for a new witness: Police Superintendent Eva Birkefeldt Ragde from Oslo police.

12:58 She explained together with the police superintendent Ole Morten Størseth from Follo police.



12:59 Ragde and Størseth will explain about the scene in the government quarter.

13:00 Both are crime technicians, and it will include displayed images from the scene.

13:00 Ragde: - We got a warning at 15.30 22/7.

13:01 Ragde: - We went out to the scene after it was secured, about 18:30 pm. Eight technicians arrived at the crime scene.

13:02 Ragde: - We were in the government building in 12 days.

13:05 Crime scene technician Ragde shows pictures from the first quarter of the Liberal house.

13:06 Ragde shows the damage the bomb caused the Supreme Court building and the VG-house.

13:07 The doors at the Oslo Public Library was blown into the pressure wave.

13:08 Ragde explain how crime scene technicians worked on.

13:10 Elevator area, cafeteria and reception in the H-block received massive injuries, the police photos.

13:12 Large glass windows were blown completely up in the 9th floor.

13:18 Ragde: - The leaves were blown off trees along Grubbegaten.

13:19 Ragde goes on to show pictures from the reception area.

13:21 Parts of the facade of the R4 collapsed because of the pressure wave.

13:22 Government's meeting was extensive damage, said correctional technician Ragde.

13:23 Large windows in the 4th floor of R4 was also blown into.

13:27 Expert [Arne Stray-Pedersen](#) from the Norwegian Institute of Public Health will now give evidence about the deceased from the government quarter.

13:29 Correctional Technician Størseth assists Stray-Pedersen in connection with the diploma.

13:30 Størseth: - It was found several hundred body parts at the scene.

13:32 Stray-Pedersen - I participated in the investigations of the deceased.



13:36 Stray-Pedersen explains how the shock wave leads to damage to tissues and cells.

13:38 Stray-Pedersen: - The fragments that spread can behave like projectiles. Hits from the fragments is the most frequent cause of injuries.

13:39 Stray-Pedersen: - "Explosion Wind" and thermal effects is a third type of damage.

13:42 Stray-Pedersen explains more about the damage that can be seen after explosions at a crime scene.

13:43 Crushed bodies, injuries from shrapnel, crush injuries, lung damage and burns can be expected, says expert Stray-Pedersen.



13:44 Stray-Pedersen: - Of the eight dead had 6 very extensive damage. 2 had mainly injuries from shrapnel and flying objects.

13:45 The court will now hear the details of those who

died after the bomb.

13:47 Correctional Technician Størseth talk about the deceased Jon Vegard Lervåg (32), who was at the start of high-rise building when the bomb narrowly.

13:51 Details about Lervåg cause of death are not discussed by tv2.no.

13:53 Stray-Pedersen: - Death has occurred immediately.

13:56 Breivik look down at the table when counsel Mette Yvonne Larsen said of the deceased Lervåg.

13:57 The expert and crime technician Størseth continues with Ida Marie Hill (34), who also found themselves at the entrance to the high-rise.



13:59 Tv2.no omit details of the court will hear from the Hills autopsy report.

14:01 Stray-Pedersen: - Death has occurred immediately.



14:02 The third is deceased Hanne Ekroll Løvlie (30), who found themselves outside the entrance to the high-rise.

14:05 Stray-Pedersen: - Death has occurred immediately.

14:07 The court will now hear about the fourth deceased; Anne Lise Holter (51), who was in the reception area on the first floor of the high-rise.



14:10 Stray-Pedersen: - Death has occurred almost immediately.

14:11 The court is adjourned for today, said court administrator Wenche Elizabeth Arntzen.