

Applications of embodiment in organisations - Benefits to leadership, communication and innovation

by Anouk Brack, MSc. - 2014¹

Executive Summary - The maturing field of embodiment in the workplace

Embodiment has already been applied successfully in many businesses and organisations in the last 4 decades. It has much to offer to improve leadership, communication, and innovation in organisations. The added value is supported by the recent increase in findings from neuroscience and psychology that is showing that the way we sit and stand changes the way we think, feel, and speak. Embodiment in organisations shows the body as a short-cut for changing our state and improving our results.

Working in today's high pressure environments easily triggers our bodily stress systems. When many employees function in this survival-mode often, it starts to have a negative effect on team communication, employee morale and health, innovation capacity, and company bottom-line.

The solution to these problems is not to be found in more of the same knowledge-based capacity building. It is advisable to implement an embodiment component in training and coaching. Employees can practice self-regulating their state of being and restore, even increase, their confidence, connection, and clarity. Practice creates physiologically supported, embodied competency.

Practising embodiment in organisations can be as simple as teaching employees a one minute 4-step centering process. It can help cultivate well-being in business, and manifest a more conscious capitalism in the world.

Embodiment in organisations has been developing for over 4 decades

Businesses not yet implementing embodiment in their Human Resource Development Policy might find themselves lagging behind in the coming years. The early adopters have been "on" it for decades already, seeing its continued use and aiding in its continued development. Some examples of the many businesses and organisations that have benefited from implementing embodiment work are: NASA, Hewlett Packard, Oracle, McKinsey, AFM (Dutch Authority for the Financial Markets), NHS (National Health Services, UK), CSA (Coaching Supervision Academy), NTR (Dutch Broadcast Agency), BBC (British Broadcast Corporation), WUR (Wageningen University and Research centre). There are many more.

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Embodiment has its roots in the human potential movement

The seeds of embodiment as a useful method for human development were planted some decades ago in the sixties and seventies in the human potential movement (HPM) in California in the USA.¹ A few well-known proponents of that movement are George Leonard, Michael Murphy, and Jean Houston. Examples of teachers and writers responsible for subsequently shaping the field of embodiment are Wendy Palmer², George Leonard, Richard Strozzi-Heckler³ and Paul Linden⁴.

Two trends show embodiment entering mainstream business now

After a gestation period of a couple of decades of testing and improving, the time seems ripe now for it to come to fruition in the main stream. Two trends are supporting this claim: firstly, the immense rise in popularity of mindfulness practice as a stress reduction method. Mindfulness and embodiment are intimately linked as both have their roots in meditative practices and teach people to be more aware of the present moment. In order to cultivate mindfulness you practice proper body posture, breath and focus. Embodiment starts with mindfulness of the body-mind system and could also be seen as mindfulness in action.

Secondly, the recent findings in neuroscience and embodied cognition support the ancient wisdom techniques (like martial arts principles) that embodiment is rooted in. More evidence for this will be presented in the science of embodiment section of this article.

Variety of applications of embodiment in organisations

In the past decades the amount of organisations implementing embodiment as a way to increase employee efficiency and well-being has been gradually increasing. The growth seems to be speeding up and its potential is impressive. Some of the variety of useful applications of embodiment in organisations are:

- Leadership Presence development
- Effective communication in challenging situations (like bad news conversations, presentations, difficult people)
- Stress reduction and burn out prevention
- Conflict resolution
- Decision making
- Team-building and team communication improvement
- Assertiveness, authenticity, intuition, innovation and creativity boost – and many more

Embodiment is even valuable in combination with organisational development according to expert Martin Saville: “My experience is that offering appropriately designed Leadership Embodiment work with the (senior) management as part of a wider Organisation Development initiative can help people move more effectively through a process of change.”⁴ It helps the leadership to “walk the talk” so to speak, and that has a big influence on the involvement and commitment of the workforce to contribute to the goals of the operation.

Sharing these other-than-usual types of encounters with one another increases trust, openness, and understanding. This can lead to valuable team and relationship building even when the topic of the training is focused elsewhere. Embodiment work can make communication more effective and team targets easier to reach.

The science behind the added value of embodied leadership

There is a growing evidence-base for embodied training⁶. Let's now take a look at research investigating the biological basis of effective leadership.

Combining power and connection optimizes leadership performance

Power posing expert Amy Cuddy (2013) beautifully summarizes the implications of these findings on neuroscience of embodiment for effective leadership in the article “Connect, then lead”:

“A growing body of research suggests that the way to influence—and to lead—is to begin with warmth. Warmth is the conduit of influence: It facilitates trust and the communication and absorption of ideas. Even a few small nonverbal signals—a nod, a smile, an open gesture—can show people that you’re pleased to be in their company and attentive to their concerns.”

Stress-induced “amygdala hijacks” by our reptilian brain

The above may seem like common-sense to many of us but as the old saying goes “Just because it’s common-sense doesn’t mean it’s common practice.” Under pressure we are even more likely to forget even the most basic things. For optimal performance our physiological and psychological state is very important. If we are too stressed or reactive, our neocortex, the part of our brain capable of creative thinking, positive risk-taking and self-reflection goes “off-line”. We suffer from what is called an amygdala hijack in which a lower part of our brain, also called reptilian brain, takes over for our safety.¹⁵ In this state we are ego-centric and not able to give others a sense of connection. The well-known survival patterns fight, flight, and freeze kick in: stage fright and forgetting your point when the CEO suddenly turns his attention on you is an example of freezing. Your angry defensiveness when challenged in

a meeting is a fight response. This is an unconscious and involuntary process. Our higher functions are often still aware, giving us an excruciatingly frustrating experience where we are aware of what we're doing, but we can't stop it.

Conquering amygdala hijack

Here we find one of the greatest benefits of applying embodiment in organisations. We can learn to recognise, prevent and recover from an amygdala hijack. Because the higher brain functions are often powerless our best chance for learning to recover is using embodiment practices where we shift our state in the body and allow this to influence brain function. During the hijack we can use deep breathing, focussed muscle relaxation, and a rehearsed statement to self about the bigger picture. In Leadership Embodiment “centering” is the basic practice for achieving exactly this.¹⁶ When we are centered, we can offer the best of ourselves to the situation and make a bigger contribution.

To reduce the chances of getting off-centre, self-care in all its forms will help us—exercise, diet, relaxation, meditation. Mindfulness practice can help to raise the threshold of the amygdala hijack, thereby increasing the chances of functioning optimally more of the time.¹⁷

Powerful poses enhance performance

Amy Cuddy who I quoted at the beginning of this section on the science supporting the value of embodiment has a famous piece of research which she speaks about in a TED talk. She found that standing or sitting in a powerful pose for two minutes influences hormone levels in the bloodstream subsequently influencing the way we feel and our performance⁷ for instance in a job interview. “High power posers performed better and were more likely to be chosen for hire”⁸ due to their presentation quality (e.g., captivating, confident).

Testosterone plays a role in both men and women and is known to reduce fear in humans.⁹ “High-power posers experienced elevations in testosterone, decreases in cortisol, and increased feelings of power and tolerance for risk; low-power posers exhibited the opposite pattern.”¹⁰

This work is often referred to as relating to body language but the participants were not taught to adjust their body language in the interview situation, they stood or sat differently for 2 minutes beforehand. They shifted their state and that state improved their performance.

A sense of connection and oxytocin

Another important hormone is oxytocin. Oxytocin and possibly endorphins¹¹ increase trust¹² and a sense of connection. Oxytocin also has an anti-stress and relaxation effect¹³. A way to increase oxytocin levels is to do “[...] self-massage, an activity that has been shown to lead to secretion of the hormone oxytocin, and the calm-and-connection response, which results in attenuation of arousal and stress levels.”¹⁴

While this could be difficult to apply in the midst of a board meeting it is a simple and free method of self-care that can be applied in a quiet moment and could improve your

performance by making you a better connector – and therefore a better leader – to draw inspiration from Cuddy’s article ‘Connect, then lead’.

Cases of applying embodiment

The Leadership Embodiment method as specific example

Since I am trained as a certified Leadership Embodiment trainer / coach and know many people in that community I have taken the following specific examples from there. Leadership Embodiment was developed for use in businesses and organisations by Wendy Palmer. As with many of the other schools of embodiment, it developed out of the combination of Aikido, a Japanese martial art, and mindfulness, which itself comes out of Buddhism. During the last 30-40 years it has been refined for accessible and religion free use for professionals in organisations without any specific martial art or meditation background. It works with posture, breath and focus and teaches people how to influence their state of being with ease. The core of the practice is to recognize being in a stressful state and swiftly self-regulating into a flow-state.

Case 1: Team dealing with stress from a reorganisation

Louise Robb[®] is a certified professional facilitator, for the case described she worked with an international NGO based in central Europe. It was part of a two-day team retreat with 30 people. Participants were doctors, specialists, managers, administration staff, all with at least a Masters degree. Purpose of the training was to deal with the stress that fast reorganisation had put on the faculty and to come to acceptance of the new situation. The embodiment part of the training consisted of half a day of Leadership Embodiment exercises like centering under pressure, exploring the body's pattern whilst under pressure and how to benefit from these practices in everyday office situations.

Responses from participants were: “Wow. I feel strong and peaceful”, “This is rubbish”, and “In handling difficult situations it is not about developing skills to handle a situation, however more importantly is in managing ourselves and own emotions when in the face of conflict. This most insightful learning is the Aikido technique (Leadership Embodiment).”

On the subject of the benefit of embodiment practice Louise remarks:

“I cannot do good work without it now.”

“It’s easy now to introduce, it was scary at first. It’s backed by so much science and knowledge in the mainstream and if you can just get people to try, what they feel as a result speaks for itself. In one organisation I have worked with over 1000 participants over the world and have feedback from them all about the two days we have the workshop and 80% remember the breathing and Aikido (their words for LE) saying they have shown their families and are using it every day at work to cope. It’s only the very start for them, but it seems to make a big difference.”

Case 2: Relational presence for coaches

Leanne Lowish[®] is a coaching supervisor trained in Leadership Embodiment. In this case she trained three groups of about ten self-selected coaches for the CSA (Coaching Supervision Academy) in two sessions of 2-4 hours. It was part of a piece on relational presence using embodiment techniques to explore what takes us out of being present and how to come back to presence. She used exercises on receiving criticism without taking it personally, a practice of gracefully interrupting, and leading and following.

A response from a participant was: “Find it enormously powerful”.

The added benefit of embodiment practice according to Leanne:

“It's an excellent way of showing people how easily they are pulled out of presence and how simply they can come back. Also good for them to see their patterns and be able to identify them in their work with clients.”

She notices it is easier nowadays to implement embodiment. The argument she uses mostly is around stress and how it pulls us out of thinking clearly and handling situations effectively.

Case 3: Teacher presence, inspiration, and connection

John Tuite[®] is an expert in teacher presence. In this case he worked in a state secondary school (11-18 years old) with four groups of five to eight newly qualified teachers of all subjects in their first year of teaching. The program consisted of two to three sessions of two hours long. This was part of a program which included a lesson observation with one to one feedback focused on the quality of presence, rather than specifically pedagogic strategies, followed up later in the year with a one-to one coaching session. Embodiment practices were used as a doorway into exploring presence, inspiration, and connection.

A specific exercise interesting for teachers is saying “no” in different ways, creating the distinction between a no that is definite, and a no that is both definite and connecting.

The added benefit of embodiment practice according to John:

“No other way to address these issues practically, rather than academically. Builds on their experience of being in the stressful conditions of a classroom. Acknowledges the different ways they respond to it, and offers them a way to work with it. Creates some distinctions that are not addressed anywhere else, but which are desperately needed.”

With regards to making their case for embodiment in education John says:

“I don't use the word embodiment in selling this. I use 'presence'. I can discuss presence, but generally in terms of improving classroom management of behaviour. I

talk about dealing with pressure, and the need for good teachers to be both strong and connected.”

Conclusion

Embodiment is a maturing field that has much to offer to improve leadership, communication, and innovation in organisations. For decades it has been applied successfully in many businesses and organisations. The added value of the application of embodiment is supported by the recent increase in findings from neuroscience and psychology. The way we sit and stand changes the way we think, feel, and speak.

In today’s busy work environments it doesn't take much to get triggered and having our amygdala reduce us to a more tense and self-centred version of ourselves. This has a negative effect on communication, employee morale, innovation, and company bottom-line. The solution to these problems is not to be found in more of the same knowledge-based training. It is advisable to implement an embodiment component in training and coaching, so employees can practice self-regulating their state of being. They can practice recognising, accepting, and adapting their physiological state and restore, even increase, their confidence, connection, and clarity.

It is important to understand that embodiment is a practice. We get better at applying the techniques in challenging situations, but we will fail. We cannot do it yet. This is to be expected, because the power is in the recovery. “Practice creates physiologically supported, embodied competency.”²¹

Lastly I will indulge in a slightly utopian vision of cultivating enlightened business through incorporating embodiment practices. Naming embodiment as one of the practices that will help restore humanity in business, allowing capitalism to rise above itself and manifest its next stage of evolution: a conscious capitalism²² with more humane work environments and a more enlightened society.

Bio author

Anouk Brack holds an MSc in biology, specialisation neuro-physiology. She is an expert in embodying integral leadership for sustainability. She is an executive coach and international Leadership Embodiment trainer at incompany.anouka.nl/ and at centreforembodiedwisdom.com. She founded the Experience Integral Foundation (experienceintegral.org) for sustainable leadership in 2009. She has been teaching master-level skill courses like “Integral Leadership for Sustainability”, “Intuitive Intelligence”, and “Facilitating Innovative Learning Processes” at Wageningen University (WUR) in the Netherlands since 2000. She welcomes connection at www.linkedin.com/in/anoukbrack.

Bibliography

- Anderson, E., Siegel, E. H., & Barrett, L. F. (2011). What you feel influences what you see: The role of affective feelings in resolving binocular rivalry. *Journal of experimental social psychology*, 47(4), 856-860.
- Bohns, V. K., & Wiltermuth, S. S. (2012). It hurts when I do this (or you do that): Posture and pain tolerance. *Journal of Experimental Social Psychology*, 48(1), 341-345.
- Brack, A.A. (2014). Insights on 3-D Leadership Development and Enactment
<http://integralleadershipreview.com/11274-331-insights-3-d-leadership-development-enactment/>
retrieved 28-08-2014
- Brown, B. C. (2012). Leading complex change with post-conventional consciousness. *Journal of Organizational Change Management*, 25(4), 560-575.
- Brown, Barrett C. Ph.D.: The Future of Leadership for Conscious Capitalism
https://associates.metaintegral.org/sites/default/files/MetaIntegral_Brown_The%20future%20of%20leadership%20for%20conscious%20capitalism_20140402.pdf (accessed 01-09-2014)
- Carney, D. R., Cuddy, A. J., & Yap, A. J. (2010). Power posing brief nonverbal displays affect neuroendocrine levels and risk tolerance. *Psychological Science*, 21(10), 1363-1368.
- Carroll, B., Levy, L., & Richmond, D. (2008). Leadership as practice: challenging the competency paradigm. *Leadership*, 4(4), 363-379.
- Cesario, J., & McDonald, M. M. (2013). Bodies in context: Power poses as a computation of action possibility. *Social Cognition*, 31(2), 260-274.
- Crawford, J. (2011). The Brain-Friendly Organization: What Leadership Needs to Know for Intelligence to Flourish. <http://www.cascadance.com/wp-content/uploads/2011/04/Crawford.Brain-Friendly-Organization.Article.Formatted.rev082911.pdf> (Page 4 on Amygdala hijack, accessed 01-09-2014)
- Cuddy, A. J., Wilmuth, C. A., & Carney, D. R. (2012). The benefit of power posing before a high-stakes social evaluation.
- Cuddy, A. J., Kohut, M., & Neffinger, J. (2013). Connect, then lead. *Harvard business review*, 91(7), 54-61.
- Dunbar, R. I. (2010). The social role of touch in humans and primates: behavioural function and neurobiological mechanisms. *Neuroscience & Biobehavioral Reviews*, 34(2), 260-268.
- Fisher, K., & Robbins, C. R. (2014). Embodied leadership: Moving from leader competencies to leaderful practices. *Leadership*, 1742715014522680.
- Hamill, P. (2011). Embodied leadership: towards a new way of developing leaders. *Strategic HR Review*, 10(5), 5-10.

Hermans, E. J., Putman, P., Baas, J. M., Koppeschaar, H. P., & Van Honk, J. (2006). A single administration of testosterone reduces fear-potentiated startle in humans. *Biological psychiatry*, 59(9), 872-874.

Kosfeld, M., Heinrichs, M., Zak, P. J., Fischbacher, U., & Fehr, E. (2005). Oxytocin increases trust in humans. *Nature*, 435(7042), 673-676.

Ladkin, D., & Taylor, S. S. (2010). Enacting the 'true self': Towards a theory of embodied authentic leadership. *The Leadership Quarterly*, 21(1), 64-74.

Lord, R. G., & Shondrick, S. J. (2011). Leadership and knowledge: Symbolic, connectionist, and embodied perspectives. *The Leadership Quarterly*, 22(1), 207-222.

Palmer, W. & Crawford, J. (2013). *Leadership Embodiment, How the way we sit and stand can change the way we think and speak*, ISBN 9781492946694

Walsh, Mark: The Science of Embodiment: Is There An Evidence-Base For Embodied Training? - http://integrationtraining.co.uk/blog/2013/03/science_of_embodiment.html (accessed 28-08-2014)

Park, L. E., Streamer, L., Huang, L., & Galinsky, A. D. (2013). Stand tall, but don't put your feet up: Universal and culturally-specific effects of expansive postures on power. *Journal of Experimental Social Psychology*, 49(6), 965-971.

Siegel, D. J. (2009). Mindful awareness, mindsight, and neural integration. *The Humanistic Psychologist*, 37(2), 137-158.

Silsbee, D. (2013). Presence as Meta-Competency: Developing Leaders One Moment at a Time. Retrieved from <http://www.dougsilsbee.com/pdf/metacompetency.pdf> 28-08-2014

Stel, M., van Dijk, E., Smith, P. K., van Dijk, W. W., & Djalal, F. M. (2012). Lowering the pitch of your voice makes you feel more powerful and think more abstractly. *Social Psychological and Personality Science*, 3(4), 497-502.

Uvnäs-Moberg, K. E. R. S. T. I. N. (1996). Oxytocin linked antistress effects--the relaxation and growth response. *Acta physiologica scandinavica. Supplementum*, 640, 38-42.

Uvnäs-Moberg, K., Arn, I., & Magnusson, D. (2005). The psychobiology of emotion: the role of the oxytocinergic system. *International journal of behavioral medicine*, 12(2), 59-65.

Wilson AD and Golonka S (2013) Embodied cognition is not what you think it is. *Front. Psychology* 4:58. doi: 10.3389/fpsyg.2013.00058 - <http://journal.frontiersin.org/Journal/10.3389/fpsyg.2013.00058/full> (accessed 28-08-2014)

Endnotes

- 1Brief overview of Human Potential Movement: http://en.wikipedia.org/wiki/Human_Potential_Movement
- 2Wendy Palmer: Embodiment International <http://www.embodimentinternational.com/>
- 3Richard Strozzi-Heckler: Stozzi Institute <http://www.strozziinstitute.com/>
- 4Paul Linden: Being in Movement <http://www.being-in-movement.com>
- 5Personal Communication with Martin Saville: editor of *A Field Guide to Organisational Development: Taking Theory Into Practice*. (Griffin, M. E., Alsop, M. M., Saville, M. M., & Smith, M. G. (Eds.). (2014), and owner of <http://www.mayvin.co.uk/>
- 6Walsh, 2013
- 7Carney, 2010
- 8Cuddy, 2012
- 9Hermans, 2006
- 10Carney, 2010
- 11Dunbar, 2010
- 12Kosfeld, 2005
- 13Uvnäs-Moberg, 1996
- 14Uvnäs-Moberg, 2005
- 15Crawford, 2011
- 16Palmer, 2014
- 17Siegel, 2009
- 18Louise H. Robb – www.louiserobb.co.uk – Facilitation, Leadership Embodiment / leadership development, coaching team / coaching individual, practice development groups.
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- 20John Tuite – www.centreforembodiedwisdom.com - Leadership development and somatic coaching, educational consultancy, and teacher of embodied awareness and mind and body integration.
- 21Doug Silsbee, 2013
- 22Brown, 2014